

# Mouse Anti-IL1RN Monoclonal Antibody

**Cat. No.** DMABT-H18692    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b>    | Mouse Anti-IL1RN Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Antigen Description</b> | Interleukin-1 receptor antagonist (IL-1RA) is composed of three isoforms, one secreted (sIL-1Ralpha/IL-1Ralpha1), two intracellular (IL-1Ralpha2/IL-1Ralpha3) and produced by monocytes, tissue macrophages, Langerhans cells, dendritic cells, T and B cells, natural killer (NK) cells, large granular lymphocytes (LGL), vascular endothelium, smooth muscle, fibroblasts, thymic epithelia, astrocytes, microglia, glioma cells, keratinocytes, and chondrocytes. It is upregulated by IL-1beta, IL-4, IL-6 and downregulated by glucocorticoids. |
| <b>Target</b>              | IL1RN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>           | Recombinant human IL-1 receptor antagonist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clone</b>               | KL2SB-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugation</b>         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| <b>Applications</b>         | ELISA                                                                                                                                                                                                                                               |
| <b>Preparation</b>          | The antibody was purified by affinity chromatography.                                                                                                                                                                                               |
| <b>Usage recommendation</b> | Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 4-6 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application. |
| <b>Concentration</b>        | 0.5 mg/ml                                                                                                                                                                                                                                           |
| <b>Storage</b>              | The antibody solution should be stored undiluted at 4 °C.                                                                                                                                                                                           |
| <b>Size</b>                 | 50 µg;500 µg                                                                                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">IL1RN interleukin2receptor antagonist [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | IL1RN                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | IL1RN; interleukin2receptor antagonist; interleukin-1 receptor antagonist protein; ICIL1RA; IL 1RN; IL1F3; IL1RA; interleukin2receptor antagonist protein; intracellular interleukin2receptor antagonist; IRAP; MGC10430; IL1 inhibitor; IL1RN (IL1F3); type II interleukin-1 receptor antagonist; intracellular IL-1 receptor antagonist type II; intracellular interleukin-1 receptor antagonist (icIL-1ra); DIRA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA; |
| <b>Gene ID</b>         | <a href="#">3557</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | <a href="#">NM_000577</a>                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Refseq</b>      | <a href="#">NP_000568</a>                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | <a href="#">147679</a>                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | <a href="#">P18510</a>                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 2q14.2                                                                                                                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Cytokine Signaling in Immune system, organism-specific biosystem; IL-1 Signaling Pathway, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem; Signaling by Interleukins, organism-specific biosystem; |
| <b>Function</b>            | interleukin-1 Type I receptor antagonist activity; interleukin-1 Type II receptor antagonist activity; interleukin-1 receptor antagonist activity; interleukin-1 receptor antagonist activity; interleukin-1 receptor binding; interleukin-1, Type I receptor binding; interleukin-1, Type II receptor binding;                              |