

## Active Recombinant Canine IL2RA, His-tagged

**Cat. No.** IL2RA-460C    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Canine IL2RA (Accession # BAI49682) Met1-Ile238, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.                                                                 |
| <b>Species</b>              | Canine                                                                                                                                                                                                                |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                       |
| <b>ProteinLength</b>        | 1-238 a.a.                                                                                                                                                                                                            |
| <b>Predicted N Terminal</b> | Tyr19 & Thr21                                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                                                    |
| <b>Bio-activity</b>         | Measured by its ability to block IL-2-induced proliferation of CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is typically 0.4-2.4 µg/mL in the presence of 1 ng/mL of Recombinant Canine IL-2 (Cys147Ser). |
| <b>Molecular Mass</b>       | Recombinant Canine IL2RA, His-tagged has a calculated MW of 25.7 kDa (monomer). In SDS-PAGE migrates as 40-55 kDa, reducing conditions.                                                                               |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                           |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                         |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | IL2RA interleukin 2 receptor, alpha [ <i>Canis lupus familiaris</i> (dog) ]                                                                                                                                                                             |
| <b>Official Symbol</b>     | IL2RA                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | IL2RA; interleukin 2 receptor, alpha; CD25; IL-2RA; interleukin-2 receptor subunit alpha; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; TAC antigen; interleukin 2 receptor alpha chain; interleukin-2 receptor alpha subunit; p55 |
| <b>Gene ID</b>             | 403870                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001003211                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_001003211                                                                                                                                                                                                                                            |
| <b>MIM</b>                 |                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | O62802                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 2                                                                                                                                                                                                                                                       |

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