

## Recombinant Mouse IL2 Protein, Ala21-Gln169, N-His-Avi tagged, Biotinylated

Cat. No. IL2-266M Lot. No. (See product label)

### SPECIFICATION

|                          |  |
|--------------------------|--|
| <b>Product Overview</b>  | Recombinant mouse IL-2-N-His-Avi protein was developed from HEK293 and has a target region of N-His-Avi.   |
| <b>Species</b>           | Mouse  |
| <b>Source</b>            | HEK293   |
| <b>ProteinLength</b>     | Ala21-Gln169   |
| <b>Description</b>       | Enables cytokine activity and interleukin-2 receptor binding activity. Involved in negative regulation of T-helper 17 cell differentiation. Acts upstream of or within several processes, including extrinsic apoptotic signaling pathway in absence of ligand; positive regulation of macromolecule metabolic process; and regulation of lymphocyte activation. Located in extracellular space. Is expressed in liver; omental bursa; thymus; and thymus primordium. Used to study Sjogren's syndrome and inflammatory bowel disease. Human ortholog(s) of this gene implicated in several diseases, including Takayasu's arteritis; auditory system disease (multiple); autoimmune disease (multiple); carcinoma (multiple); and neurodegenerative disease (multiple). Orthologous to human IL2 (interleukin 2). |
| <b>Conjugation/Label</b> | Biotin   |
| <b>Form</b>              | Lyophilised  |

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|                       |  |
|-----------------------|--|
| <b>Endotoxin</b>      | Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).   |
| <b>Notes</b>          | FOR RESEARCH USE ONLY (RUO).   |
| <b>Storage</b>        | The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.  |
| <b>Storage Buffer</b> | Lyophilised from 0.2 μm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM |
| <b>Conjugation</b>    | Biotin   |

## GENE INFORMATION

|                           |  |
|---------------------------|--|
| <b>Gene Name</b>          | IL2 interleukin 2 [ <i>Mus musculus</i> ]                            |
| <b>Official Symbol</b>    | IL2  |
| <b>Synonyms</b>           | IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; IL-2; |
| <b>Gene ID</b>            | 16183  |
| <b>mRNA Refseq</b>        | NM_008366  |
| <b>Protein Refseq</b>     | NP_032392  |
| <b>UniProt ID</b>         | P04351   |
| <b>Biotinylated Mouse</b> | IL-2 on Tris-Bis<br>PAGE under reduced                               |

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condition. The purity is greater than 95%.

The purity of Biotinylated Mouse IL-2 is greater than 95% as determined by SEC-HPLC.

Immobilized Mouse IL-2 R alpha, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Mouse IL-2, His Tag with the EC50 of 95.8 ng/mL determined by ELISA.

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