

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

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

SPECIFICATION

Product Overview	Recombinant mouse IL-2-N-His-Avi protein was developed from HEK293 and has a target region of N-His-Avi.
Species	Mouse
Source	HEK293
ProteinLength	Ala21-Gln169
Description	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).
Conjugation/Label	Biotin
Form	Lyophilised

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Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
Storage Buffer	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
Conjugation	Biotin
GENE INFORMATION	
Gene Name	IL2 interleukin 2 [<i>Mus musculus</i>]
Official Symbol	IL2
Synonyms	IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; IL-2;
Gene ID	16183
mRNA Refseq	NM_008366
Protein Refseq	NP_032392
UniProt ID	P04351
Biotinylated Mouse IL-2 on Tris-Bis 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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