Active Recombinant Mouse Il3ra Protein, Fc-tagged, FITC conjugated

Cat. No. Il3ra-5661MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC conjugated recombinant mouse Il3ra protein was expressed in Spodopterafrugiperdawith the Fc part of Human IgG1 Pro100-Lys330 (C-terminus) and MouseIl3ra Ser17-Lys331 (N-terminus).
Species	Mouse
Source	Insect Cells
ProteinLength	17-331 a.a.
Description	Il3ra isa pleiotropic cytokine produced primarily by activated T cells or mast cells.Il3ra stimulates the proliferation and differentiation of hemopoietic cellsincluding the pluripotent hematopoietic stem cells as well as various lineage-committedcells. The biological effects of Il3ra on the various cell types are mediatedby the binding of Il3ra to specific cell surface receptor complexes. Thefunctional high-affinity IL-3 receptor is a heterodimer consisting of aligand binding α subunit and the β subunit. The α subunit alone binds Il3rawith low affinity.
Form	Lyophilized
Bio-activity	Measuredby its ability to inhibit the IL-3-induced proliferation of NFS-60 mouse myeloidcells. The ED50 for this effect is typically 0.03-0.15 μg/mL in the presenceof 2.5 μg/mL Recombinant Mouse IL-3 Rβ Fc Chimera and 2 ng/mL of

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	RecombinantMouse Il3ra.
Molecular Mass	61.0 kDa (monomer); SDS-PAGE: 70-80kDa, reducing conditions.
N-terminal Sequence Analysis	Ser 17
Endotoxin	< 1.0 EU/ μg of the protein by the LAL method.
Purity	> 90 % by SDS-PAGE and analyzed by silver stain
Characteristic	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Concentration	100 μg/mL
Storage Buffer	Lyophilizedfrom a 0.2 μm filtered solution in PBS.
Reconstitution	100 μg/mL in sterile PBS
Conjugation	FITC

GENE INFORMATION

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Gene Name	Il3ra interleukin 3 receptor,alpha chain [Mus musculus]
Official Symbol	Il3ra
Synonyms	Il3ra; interleukin 3receptor, alpha chain; CD123; SUT-1; CDw123; interleukin-3 receptor subunit alpha; IL-3RA; IL-3R-alpha; Il-3 alpha subunit; IL-3R subunit alpha; IL-3 receptor alpha chain; IL-3 receptor subunit alpha; IL-3 receptor alpha SP2 isoform; interleukin-3 receptor class II alpha chain
Gene ID	16188
mRNA Refseq	NM_008369
Protein Refseq	NP_032395
UniProt ID	P26952

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