Active Recombinant Mouse Fc receptor-like B, His-tagged

Cat. No. Fcrlb-509M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantMouse Fcrlb protein was expressed in Murine myeloma cellline. Ala18-Ser427,with a C-terminal 6-His tag.
Species	Mouse
Source	Mammalian Cells
ProteinLength	18-427 a.a.
Description	Fcrlb is a 60kDa protein with sequence homology to classical Fc receptors. There are atleast six type 1 transmembrane FCRL proteins and two that lack transmembranesegments. Each family member contains between three and nine immunoglobulin-likedomains. FCRL proteins are differentially expressed within the B cell lineageand can either promote or inhibit B cell proliferation and activation. Accordingto R&D Systems testing, Fcrlb binds to purifiedmouse IgG. Mouse Fcrlb shares 82% and 94% aa sequence identitywith human and rat Fcrlb, respectively. It contains a putativesignal peptide, three immunoglobulinlik domains, and a mucinlike stalk thatis rich in Pro, Ser, and Thr residues.
Form	Lyophilized from a0.2 um filtered solution in PBS.
N-terminalSequence	Ala18
MolecularWeight	46.5 kDa (monomer)

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Activity	Measuredby its ability to bind mouse IgG with an estimated KD < 300 nM.
Endotoxin Level	<1.0EU per 1μg of the protein by the LAL method.
SDS-PAGE	60-70kDa, reducing conditions.
Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at100μg/mL in PBS.
Storage	Use amanual defrost freezer and avoid repeated freezethaw cycles. 12 months from date of receipt, -20 to -70°C as supplied.1 month, 2 to 8°C under sterile conditions after reconstitution. 3months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Fcrlb Fc receptor-like B [Musmusculus]
Official Symbol	Fcrlb
Synonyms	Fcrlb; Fcreceptor-like B; Fcry; FREB2; FcRL2; FREB-2; Fcrlm2; mFCRL2; Fcreceptor-like B; Fc receptor related Y; fc receptor-like protein 2; Fcreceptor-like mucin-like 2; fc receptor-related protein Y; fc receptor-likeand mucin-like protein 2; fc receptor homolog expressed in B cells protein 2
Gene ID	435653
mRNA Refseq	NM_001029984
Protein Refseq	NP_001025155

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UniProt ID	Q5DRQ8
Chromosome Location	1
Function	molecular_function

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