

Active Recombinant Human Fc Receptor-Like B, His-tagged

Cat. No. FCRLB-512H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCRLB protein was expressed in Murine myeloma cellline. Ala18-Ser426, with a C-terminal 6-His tag.
Species	Human
Source	Mammalian Cells
Protein Length	18-426 a.a.
Description	FCRLB is a 60 kDa protein with sequence homology to classical Fc receptors. There are at least six type 1 transmembrane FCRL proteins and two that lack transmembrane segments. Each family member contains between three and nine immunoglobulin-like domains. FCRL proteins are differentially expressed within the B cell lineage and can either promote or inhibit B cell proliferation and activation. According to R&D Systems testing, FCRLB binds to purified human IgG with high affinity. Human FCRLB shares 82% and 85% amino acid sequence identity with mouse and rat FCRLB, respectively. It contains a putative signal peptide, three immunoglobulin-like domains, and a mucin-like stalk that is rich in Pro, Ser, and Thr residues.
Form	Lyophilized from a 0.2 µm filtered solution in PBS and EDTA.
N-terminal Sequence	Ala18
Molecular Weight	46 kDa

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Activity	Measured by its ability to bind human IgG with an estimated KD < 120 nM.
Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	65-70kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100µg/mL in PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	FCRLB Fc receptor-like B [Homo sapiens]
Official Symbol	FCRLB
Synonyms	FCRLB; Fc receptor-like B; Fc receptor-like and mucin-like 2; FCRLM2; FCRL2; FCRLY; FLJ31052; FREB2; RP11-474I16.6; Fc receptor homolog expressed in B cells protein 2; Fc receptor-like B; Fc receptor-like mucin-like 2; Fc receptor-like protein 2; Fc receptor-related Y; FcRY; mFCRL2; RGD1563018; fc receptor-like and mucin-like protein 2; FcRY; FREB-2
Gene ID	127943
mRNA Refseq	NM_001002901
Protein Refseq	NP_001002901

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MIM	609251
UniProt ID	Q6BAA4
Chromosome Location	1q23.3

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