

Recombinant Mouse Fcεr2a Protein, His-tagged

Cat. No. Fcer2a-11039M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse CD23 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Glu 50 - Pro 331 (Accession # P20693.1). This protein carries a polyhistidine tag at the N-terminus. Predicted N-terminus: His
Species	Mouse
Source	HEK293
ProteinLength	50-331 aa
Description	Cluster of differentiation 23 (CD23) is also known as Low affinity immunoglobulin epsilon Fc receptor (FCER2), C-type lectin domain family 4 member J (CLEC4J), Fc-epsilon-R1I (FcεRII), Immunoglobulin E-binding factor (IGEbf), is the 'low-affinity' receptor for IgE, an antibody isotype involved in allergy and resistance to parasites, and is important in regulation of IgE levels. Unlike many of the antibody receptors, CD23 is a C-type lectin. It is found on mature B cells, activated macrophages, eosinophils, follicular dendritic cells, and platelets.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 33.8 kDa. The protein migrates as 40-45 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0

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	EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Fcer2a Fc receptor, IgE, low affinity II, alpha polypeptide [Mus musculus (house mouse)]
Official Symbol	Fcer2a
Synonyms	Fcer2a; Fc receptor, IgE, low affinity II, alpha polypeptide; CD23; Fce2; Fcer2; Ly-42; low affinity immunoglobulin epsilon Fc receptor; FC epsilon RII; fc-epsilon-RII; low-affinity IgE receptor; lymphocyte IgE receptor
Gene ID	14128
mRNA Refseq	NM_013517
Protein Refseq	NP_038545
UniProt ID	P20693

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