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Fc epsilon RI/FCER1A Protein (Fc Tag)



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Quantity:	50 µg
Target:	Fc epsilon RI/FCER1A (FCER1A)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fc epsilon RI/FCER1A protein is labelled with Fc Tag.
Product Details	
Purpose:	Recombinant Mouse Fc-epsilon RI-alpha/FCER1A Protein
Sequence:	ATEKSVLTLD PPWIRIFTGE KVTLSCYGNN HLQMNSTTKW IHNGTVSEVN SSHLVIVSAT
	VQDSGKYICQ KQGLFKSKPV YLNVTQDWLL LQTSADMVLV HGSFDIRCHG WKNWNVRKVI
	YYRNDHAFNY SYESPVSIRE ATLNDSGTYH CKGYLRQVKY ESDKFRIAVV KAYKCKYYWL Q
Specificity:	Ala24-Gln204
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 μm filtered
Endotoxin Level:	<0.1EU/µg
Target Details	
Target:	Fc epsilon RI/FCER1A (FCER1A)
Alternative Name:	Fc-epsilon RI-alpha/FCER1A (FCER1A Products)

Target Details

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Background:	Description: FCER1A is the alpha subunit of the immunoglobulin epsilon receptor (IgE receptor)
	IgE receptor is a high affinity IgE receptor which plays a central role in allergic disease, coupling
	allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses
	that are characteristic of disorders such as hay fever and asthma. The allergic response occurs
	when 2 or more IgE receptors are crosslinked via IgE molecules that in turn are bound to an
	allergen (antigen) molecule. A perturbation occurs that brings about the release of histamine
	and proteases from the granules in the cytoplasm of the mast cell and leads to the synthesis of
	prostaglandins and leukotrienespotent effectors of the hypersensitivity response. IgE receptor
	is comprised of an alpha subunit(FcERI), a beta subunit, and two gamma subunits. FcERI is
	glycosylated and contains 2 lg-like (immunoglobulin-like) domains.
	Name: FCE1A,FcERI,FCER1A
Gene ID:	14125
UniProt:	P20489
Pathways:	Fc-epsilon Receptor Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive
	Regulation of Immune Effector Process
Application Details	
Restrictions:	For Research Use only
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Handling	
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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile
	distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is
	recommended to add a carrier protein or stablizer (e.g. 0.1 $\%$ BSA, 5 $\%$ HSA, 10 $\%$ FBS or 5 $\%$
	Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein
	solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.