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Datasheet for ABIN7121548

Fc epsilon RI/FCER1A Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	Fc epsilon RI/FCER1A (FCER1A)
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fc epsilon RI/FCER1A protein is labelled with Fc Tag.

Product Details

Purpose:	Cynomolgus Fc epsilon RI alpha Protein, Fc Tag (BLI verified)
Sequence:	Val 29 - Lys 204
Characteristics:	Cynomolgus Fc epsilon RI alpha, Fc Tag (FCA-C5255) is expressed from human 293 cells (HEK293). It contains AA Val 29 - Lys 204 (Accession # A0A7N9DA09-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	BLI verified

Target Details

Target:	Fc epsilon RI/FCER1A (FCER1A)
Alternative Name:	Fc epsilon RI alpha (FCER1A Products)
Background:	Synonyms: FCER1A,FCE1A,FcERI,

Target Details

Description: High affinity immunoglobulin epsilon receptor subunit alpha (FCER1A) is also known as Fc-epsilon RI-alpha (FcERI), IgE Fc receptor subunit alpha, FCE1A. FCER1A contains two Ig-like (immunoglobulin-like) domains. FCER1A binds to the Fc region of immunoglobulins epsilon and is a high affinity receptor. FCER1A is responsible for initiating the allergic response, which binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines. FCER1A 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.

Molecular Weight: 46.9 kDa

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 46.9 kDa. The protein migrates as 60-70 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5

Storage: -20 °C

Storage Comment: -20°C