

Product Information

MemDX™ Antibody Discovery - Human Fc epsilon RI alpha (26-204) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP0108F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Fc epsilon RI alpha (26-204). It has been tested in SDS-PAGE, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

Fc epsilon RI alpha

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 47.3 kDa. The protein migrates as 55-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Val 26 - Leu 204 (Accession # P12319-1).

Product Description

Activity

Yes

Application

SDS-PAGE, BLI

Expression Systems

HEK293

Tag

Human IgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target

Target Protein

Fc epsilon RI alpha

Full Name

Fc fragment of IgE receptor Ia

Introduction

The immunoglobulin epsilon receptor (IgE receptor) is the initiator of the allergic response. When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. The protein encoded by this gene represents the alpha subunit.

Alternative Names

FCE1A; FcERI; high affinity immunoglobulin epsilon receptor subunit alpha; Fc IgE receptor, alpha polypeptide; Fc epsilon RI alpha-chain; Fc epsilon receptor Ia; Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide; Fc-epsilon RI-alpha; high affinity immunoglobulin epsilon receptor alpha-subunit; IgE Fc receptor subunit alpha; immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

Gene ID

[2205](#)

UniProt ID

[P12319](#)