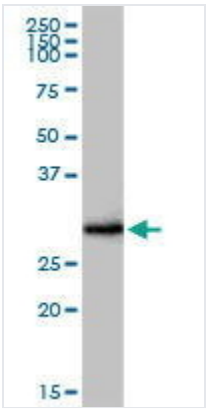
FCER1A Antibody – Rabbit Polyclonal

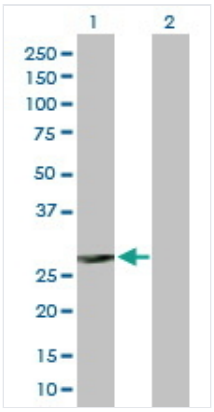
PRODUCT OVERVIEW

Product Name	FCER1A, Polyclonal Antibody
Full Product Name	FCER1A (High Affinity Immunoglobulin epsilon Receptor Subunit alpha, Fc-epsilon RI-alpha, FcERI, IgE Fc Receptor Subunit alpha, FCE1A) (PE)
Product Gene Name	anti-FCER1A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FCER1A.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	147140
3D Structure	ModBase 3D Structure for P12319
Immunogen	Full length protein corresponding to aa1-257 of human FCER1A.
Immunogen Sequence	MAPAMESPTLLCVALLFFAPDGVLAVPQKPKVSLNPPWNRIFKGENVTLTCNGNNFFEVSSTKWFHNGSLSEETNSSLNIVNAKFEDSGEYKCQHQQVN
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-FCER1A antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-FCER1A antibody	Western Blot (WB)
Application Notes for anti-FCER1A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FCER1A antibody	High affinity IgE receptor (FceRI) plays a key role in IgE-mediated allergic immune response. FceRI is a tetrameric receptor complex, which is compose superfamily structure. It is primarily found on mast cells and basophils. Further studies have indicated that FceRIa is also expressed on many inflamma asthma patients.
Other Notes	Small volumes of anti-FCER1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece

Searchable Terms for FCER1A purchase	MBS6378338 is an antibody targeting FCER1A. Also known as FCER1A (High Affinity Immunoglobulin epsilon Receptor Subunit alpha, Fc-epsilon RI-a



Western Blot (WB) of anti-FCER1A antibody
Western Blot analysis of FCER1A expression in human kidney usingMBS6003077.



Western Blot (WB) of anti-FCER1A antibody
Western Blot analysis of FCER1A expression in transfected 293T cell line byMBS6003077. Lane 1: FCER1A transfected lysate (29.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCER1A. It may not necessarily be applicable to this product.

NCBI GI #	4503675
NCBI GeneID	2205
NCBI Accession #	NP_001992.1
UniProt Primary Accession #	P12319
UniProt Related Accession #	P12319
GenBank Nucleotide #	NM_002001.2
NCBI Official Full Name	high affinity immunoglobulin epsilon receptor subunit alpha
NCBI Official Synonym Full Names	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide
NCBI Official Symbol	FCER1A
NCBI Official Synonym Symbols	FCE1A; FcERI
UniProt Protein Name	High affinity immunoglobulin epsilon receptor subunit alpha
UniProt Synonym Protein Names	Fc-epsilon RI-alpha; FcERI; IgE Fc receptor subunit alpha
Protein Family	High affinity immunoglobulin epsilon receptor
UniProt Gene Name	FCER1A
UniProt Synonym Gene Names	FCE1A; FcERI
UniProt Entry Name	FCERA_HUMAN
NCBI Protein Information	high affinity immunoglobulin epsilon receptor subunit alpha; Fc IgE receptor, alpha polypeptide; Fc epsilon RI alpha-chain; Fc-epsilon RI-alpha; high affinity immunoglobulin epsilon receptor alpha-subunit; igE Fc receptor subunit alpha; immunoglobulin E r
NCBI Summary for FCER1A	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. [provided by RefSeq, Aug 2011]

UniProt Comments for FCER1A	Binds to the Fc region of immunoglobulins epsilon. High affinity receptor. Responsible for initiating the allergic response. 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.
Research Articles on FCER1A	**1.** FCER2 polymorphism rs3760687 affects moderately elevated total serum IgE levels, especially in the absence of homozygosity for the risk allele of FCER1A SNP rs2427837.
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