



Anti-MS4A2 (aa 1-59) polyclonal antibody (DPAB-DC958)

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

PRODUCT INFORMATION

Antigen Description

The allergic response involves the binding of allergen to receptor-bound IgE followed by cell activation and the release of mediators responsible for the manifestations of allergy. The IgE-receptor, a tetramer composed of an alpha, beta, and 2 disulfide-linked gamma chains, is found on the surface of mast cells and basophils. This gene encodes the beta subunit of the high affinity IgE receptor which is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This family member is localized to 11q12, among a cluster of membrane-spanning 4A gene family members. Alternative splicing results in multiple transcript variants encoding distinct proteins. Additional transcript variants have been described but require experimental validation.

Immunogen

MS4A2 (NP_000130, 1 a.a. ~ 59 a.a) partial recombinant protein with GST tag. The sequence is
MDTESNRRANLALPQEPPSSVPAFEVLEISPQEVSQGRLLKSASSPPLHTWLTVLKKEQE

Source/Host

Mouse

Species Reactivity

Human

Conjugate

Unconjugated

Applications

WB (Recombinant protein), ELISA,

Size

50 µl

Buffer

50 % glycerol

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MS4A2 membrane-spanning 4-domains, subfamily A, member 2 [Homo sapiens (human)]
Official Symbol	MS4A2
Synonyms	MS4A2; membrane-spanning 4-domains, subfamily A, member 2; APY; IGEL; IGER; ATOPY; FCERI; IGHER; MS4A1; FCER1B; high affinity immunoglobulin epsilon receptor subunit beta; IgE Fc receptor subunit beta; high affinity IgE receptor beta subunit; immunoglobulin E receptor, high affinity, beta polypeptide; Fc fragment of IgE, high affinity I, receptor for; beta polypeptide; High affinity immunoglobulin epsilon receptor beta-subunit (FcERI) (IgE Fc receptor, beta-subunit) (Fc epsilon receptor I beta-chain);
Entrez Gene ID	2206
Protein Refseq	NP_000130
UniProt ID	Q01362
Chromosome Location	11q12-q13
Pathway	Asthma; Fc epsilon RI signaling pathway; Fc epsilon receptor (FCERI) signaling; Immune System
Function	IgE binding; SH2 domain binding; phosphoprotein binding; protein kinase binding