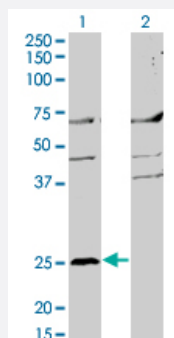


MS4A2 monoclonal antibody (M02), clone 3B1

Catalog # H00002206-M02

Size 100 ug

Applications

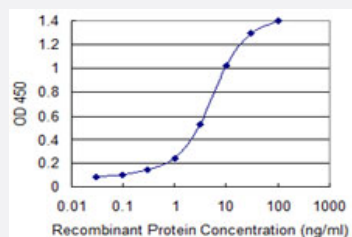


Western Blot (Transfected lysate)

Western Blot analysis of MS4A2 expression in transfected 293T cell line by MS4A2 monoclonal antibody (M02), clone 3B1.

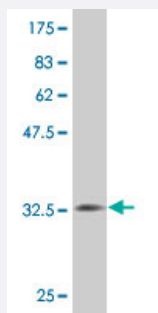
Lane 1: MS4A2 transfected lysate(26.5 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MS4A2 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (32.23 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant MS4A2.

Immunogen	MS4A2 (NP_000130, 1 a.a. ~ 59 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKEQE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (49); Rat (51)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.23 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MS4A2 expression in transfected 293T cell line by MS4A2 monoclonal antibody (M02), clone 3B1.

Lane 1: MS4A2 transfected lysate(26.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MS4A2 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MS4A2

Entrez GeneID

[2206](#)

GeneBank Accession#	NM_000139
Protein Accession#	NP_000130
Gene Name	MS4A2
Gene Alias	APY, ATOPY, FCER1B, FCERI, IGEL, IGER, IGHER, MS4A1
Gene Description	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)
Omim ID	147050 147138
Gene Ontology	Hyperlink
Gene Summary	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 family members. Alternative splicing results in multiple transcript variants encoding different isoforms
Other Designations	Fc IgE receptor, beta chain Fc epsilon receptor I beta-chain Fc-epsilon receptor I beta-chain High affinity immunoglobulin epsilon receptor beta-subunit (FcERI) (IgE Fc receptor, beta-subunit) (Fc epsilon receptor I beta-chain) IgE responsiveness (atopic)

Pathway

- [Asthma](#)
- [Fc epsilon RI signaling pathway](#)

Disease

- [Angioneurotic Edema](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)

- [Bronchiolitis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Disorders](#)
- [Chlamydia Infections](#)
- [Chronic Disease](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Eczema](#)
- [Edema](#)
- [Eosinophilia](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Inflammation](#)
- [Liver Diseases](#)
- [Lung Diseases](#)
- [Migraine Disorders](#)
- [Myocardial Ischemia](#)

- [Obesity](#)
- [Osteoporosis](#)
- [Pneumonia](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Sounds](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Stroke](#)
- [Trachoma](#)
- [Urticaria](#)
- [Wegener Granulomatosis](#)