

MS4A2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant MS4A2.

Catalog # AT2909a

Product Information

Application	WB, E
Primary Accession	Q01362
Other Accession	NM_000139
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3B1
Calculated MW	26534

Additional Information

Gene ID	2206
Other Names	High affinity immunoglobulin epsilon receptor subunit beta, FcERI, Fc epsilon receptor I beta-chain, IgE Fc receptor subunit beta, Membrane-spanning 4-domains subfamily A member 2, MS4A2, APY, FCER1B, IGER
Target/Specificity	MS4A2 (NP_000130, 1 a.a. ~ 59 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MS4A2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

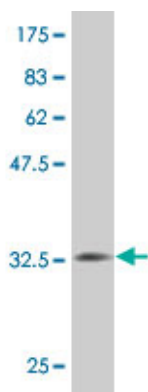
Background

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.

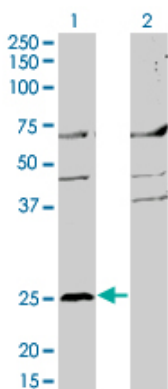
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Independent predictive roles of eotaxin Ala23Thr, paraoxonase 2 Ser311Cys and beta-adrenergic receptor Trp64Arg polymorphisms on cardiac disease in Type 2 Diabetes--an 8-year prospective cohort analysis of 1297 patients. Wang Y, et al. Diabet Med, 2010 Apr. PMID 20536507.Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. Pediatr Pulmonol, 2010 Jun. PMID 20503287.Replication of genetic association studies in asthma and related phenotypes. Undarmaa S, et al. J Hum Genet, 2010 Jun. PMID 20395963.Association Between Serum IgE Levels and the CTLA4 +49A/G and FCER1B -654C/T Polymorphisms in Korean Children With Asthma. Oh KY, et al. Allergy Asthma Immunol Res, 2010 Apr. PMID 20358027.

Images

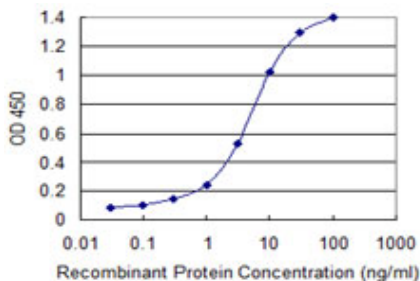


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.23 KDa) .



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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.