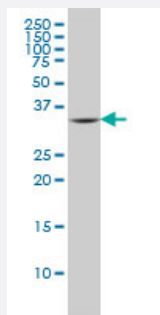


FCER1A monoclonal antibody (M01), clone 2C12-3B6

Catalog # H00002205-M01

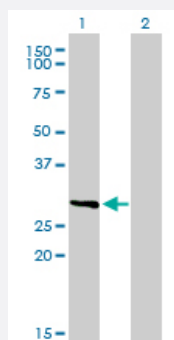
Size 100 ug

Applications



Western Blot (Cell lysate)

FCER1A monoclonal antibody (M01), clone 2C12-3B6 Western Blot analysis of FCER1A expression in A-549 (Cat # L025V1).

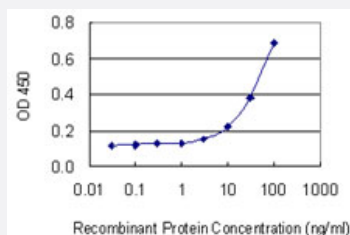


Western Blot (Transfected lysate)

Western Blot analysis of FCER1A expression in transfected 293T cell line by FCER1A monoclonal antibody (M01), clone 2C12-3B6.

Lane 1: FCER1A transfected lysate(29.6 KDa).

Lane 2: Non-transfected lysate.



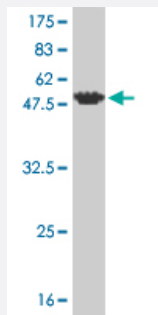
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FCER1A is 1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of FCER1A over-expressed 293 cell line, cotransfected with FCER1A Validated Chimera RNAi (Cat # H00002205-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FCER1A monoclonal antibody (M01), clone 2C12-3B6 (Cat # H00002205-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (54.01 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant FCER1A.
Immunogen	FCER1A (AAH05912.1, 1 a.a. ~ 257 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPAMESPTLLCVALFFAPDGVLAVPQKPKVSLNPPWNRIFKGENVTLCNGNNFFEVSSTKW FHNGSLSEETNSSLNVMNAKFEDSGEYKCQHQVNESEPVYLEVFSDWLLQASAEVVMGQPL FLRCHGWRNWDVYKVYYKDGEALKYWYENHNISITNATVEDSGTYCTGKVVQLDYSEPLNITVI KAPREKYWLQFFIPLLVLFAVDTGLFISTQQQVTFLLKIKRTRKGFRLNPHPKPNPKNN
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.01 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 (Cell lysate)

FCER1A monoclonal antibody (M01), clone 2C12-3B6 Western Blot analysis of FCER1A expression in A-549 (Cat # L025V1).

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- Western Blot (Transfected lysate)

Western Blot analysis of FCER1A expression in transfected 293T cell line by FCER1A monoclonal antibody (M01), clone 2C12-3B6.

Lane 1: FCER1A transfected lysate(29.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FCER1A is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of FCER1A over-expressed 293 cell line, cotransfected with FCER1A Validated Chimera RNAi (Cat # H00002205-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FCER1A monoclonal antibody (M01), clone 2C12-3B6 (Cat # H00002205-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — FCER1A

Entrez GeneID	2205
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GeneBank Accession#	BC005912
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Protein Accession#	AAH05912.1
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Gene Name	FCER1A
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Gene Alias	FCE1A, FcERI
Gene Description	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide
Omim ID	147140
Gene Ontology	Hyperlink
Gene Summary	The IgE receptor plays a central role in allergic disease, coupling allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma. The allergic response occurs when 2 or more high-affinity IgE receptors are crosslinked via IgE molecules that in turn are bound to an allergen (antigen) molecule. A perturbation occurs that brings about the release of histamine and proteases from the granules in the cytoplasm of the mast cell and leads to the synthesis of prostaglandins and leukotrienes--potential effectors of the hypersensitivity response. The IgE receptor consists of 3 subunits: alpha, beta (MIM 147138), and gamma (MIM 147139); only the alpha subunit is glycosylated.[supplied by OMIM]
Other Designations	Fc IgE receptor, alpha polypeptide Fc epsilon RI alpha-chain Fc-epsilon RI-alpha high affinity immunoglobulin epsilon receptor alpha-subunit immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

Pathway

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

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Dermatitis](#)

- [Drug Hypersensitivity](#)
- [Eczema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Occupational Diseases](#)
- [Periodontitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urticaria](#)
- [Wegener Granulomatosis](#)