10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# FCER2 Antibody (monoclonal) (M14)

Mouse monoclonal antibody raised against a full-length recombinant FCER2.
Catalog # AT2025a

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | P06734 |
| **Other Accession** | BC014108 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 2A7 |
| **Calculated MW** | 36469 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 2208 |
| **Other Names** | Low affinity immunoglobulin epsilon Fc receptor, BLAST-2, C-type lectin domain family 4 member J, Fc-epsilon-RII, Immunoglobulin E-binding factor, Lymphocyte IgE receptor, CD23, Low affinity immunoglobulin epsilon Fc receptor membrane-bound form, Low affinity immunoglobulin epsilon Fc receptor soluble form, FCER2, CD23A, CLEC4J, FCE2, IGEBF |
| **Target/Specificity** | FCER2 (AAH14108, 1 a.a. ~ 321 a.a) full-length 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** | FCER2 Antibody (monoclonal) (M14) is for research use only and not for use in diagnostic or therapeutic procedures. |

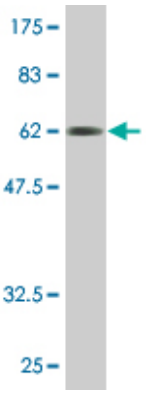
## Background

The human leukocyte differentiation antigen CD23 (FCE2) is a key molecule for B-cell activation and growth. It is the low-affinity receptor for IgE. The truncated molecule can be secreted, then functioning as a potent mitogenic growth factor.

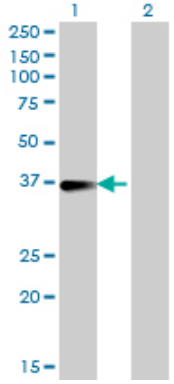
## References

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.Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785.Risk of meningioma and common variation in genes related to innate immunity. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2010 May. PMID 20406964.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Interaction of functional FCER2 promoter polymorphism and phenotype-associated haplotypes. Potaczek DP, et al. Tissue Antigens, 2009 Dec. PMID 19845913.

## Images

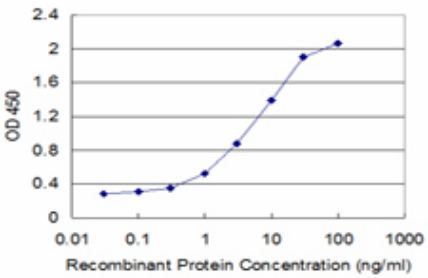



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (61.05 KDa) .




Western Blot analysis of FCER2 expression in transfected 293T cell line by FCER2 monoclonal antibody (M14), clone 2A7.

Lane 1: FCER2 transfected lysate(36.5 KDa).
Lane 2: Non-transfected lysate.




Detection limit for recombinant GST tagged FCER2 is approximately 0.1ng/ml as a capture antibody.

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