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Anti-CD23/FCER2 Antibody

Catalog # ABO11772

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	P20693
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Low affinity immunoglobulin epsilon Fc receptor(FCER2) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	14128
Other Names	Low affinity immunoglobulin epsilon Fc receptor, Fc-epsilon-RII, Lymphocyte IgE receptor, CD23, Fcer2, Fcer2a
Calculated MW	37648
Application Details	Immunohistochemistry(Frozen Section), 0.5-1 □g/ml, Mouse, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/ml, Mouse
Subcellular Localization	and macrophages. As part of a mapping of multiple probes to specific bands on chromosome 19 by fluorescence in situ hybridization
Tissue Specificity	the FCE2 gene was assigned to 19p13.3. 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
Source	Eukaryota
Protein Name	sc 13940|sc 31574|sc 7426|sc 365524
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived mouse CD23 recombinant protein (Position: E50-P331). Mouse CD23 shares 52% amino acid (aa) sequence identity with human CD23.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Low affinity immunoglobulin epsilon Fc receptor;Fc-epsilon-RII;Lymphocyte IgE receptor;CD23;Fcer2;Fcer2a;

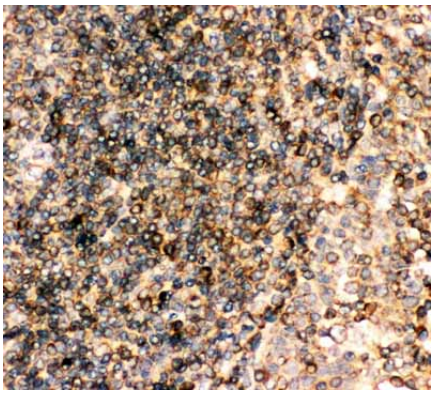
Protein Information

Name	Fcer2
Synonyms	Fcer2a
Function	Low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B cells. On B cells, initiates IgE-dependent antigen uptake and presentation to T cells. On macrophages, upon IgE binding and antigen cross-linking induces intracellular killing of parasites through activation of L-Arginine-nitric oxide pathway.
Cellular Location	Cell membrane; Single-pass type II membrane protein. Cell membrane; Lipid-anchor. Secreted {ECO:0000250|UniProtKB:P06734}

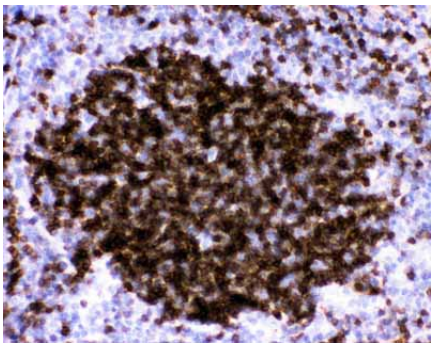
Background

CD23, also known as Fc epsilon RII, or Fc □ □RII, is the low-affinity" receptor for IgE

Images

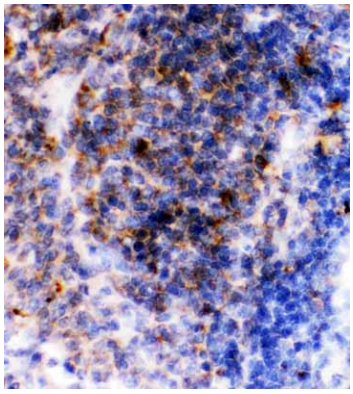


Anti-CD23 Picoband antibody, ABO11772-1.JPGIHC(P): Human Tonsil Tissue

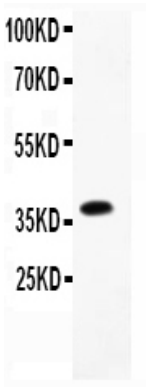


Anti-CD23 Picoband antibody, ABO11772-2.JPGIHC(P): Mouse Spleen Tissue

Anti-CD23 Picoband antibody, ABO11772-3.JPGIHC(P): Rat



Spleen Tissue



Anti-CD23 Picoband antibody, ABO11772-4.jpgAll lanes: Anti-CD23(ABO11772) at 0.5ug/mlWB: Mouse Liver Tissue Lysate at 40ugPredicted bind size: 37KDObserved bind size: 37KD