10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD23/FCER2 Antibody
Catalog # ABO11772

Specification

Anti-CD23/FCER2 Antibody - Product Information

Application	**IHC, WB**
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.

Anti-CD23/FCER2 Antibody - Additional Information

Gene ID 14128

Other Names
Low affinity immunoglobulin epsilon Fc receptor, Fc-epsilon-RII, Lymphocyte IgE receptor, CD23, Fcer2, Fcer2a

Calculated MW
Langerhans cells KDa

Application Details
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Mouse, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/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
then functioning as a potent mitogenic growth factor."

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;

Anti-CD23/FCER2 Antibody - 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}

Anti-CD23/FCER2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD23/FCER2 Antibody - Images

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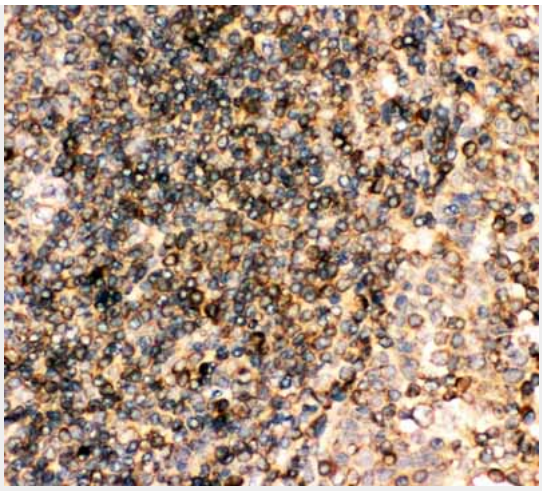
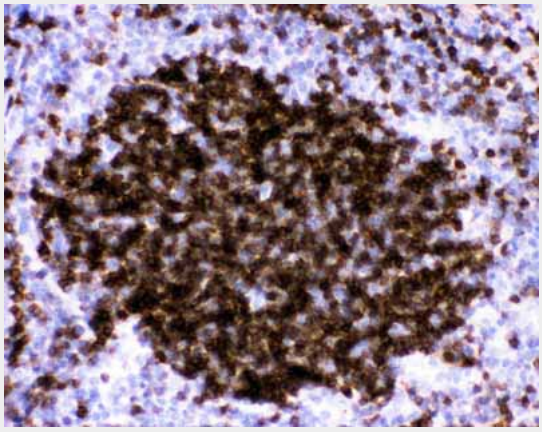
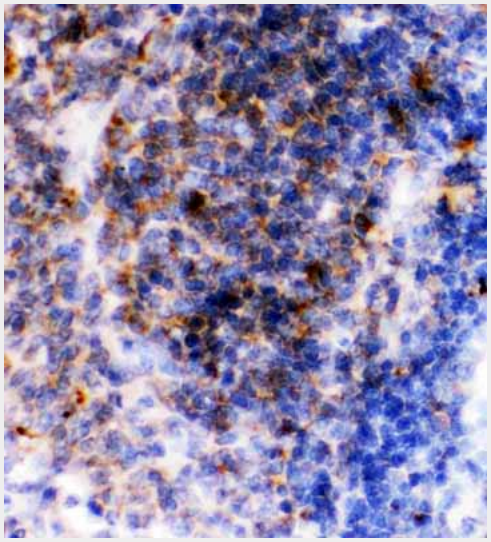


Anti-CD23 Picoband antibody, ABO11772-1.JPGIHC(P): Human Tonsil Tissue



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



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

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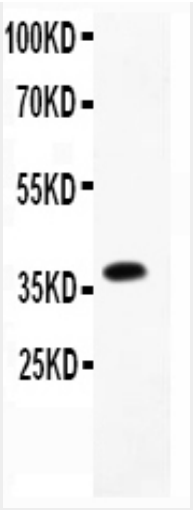

Anti-CD23 Picoband antibody, ABO11772-4.jpgAll lanes: Anti-CD23(ABO11772) at 0.5ug/mlWB: Mouse Liver Tissue Lysate at 40ugPredicted bind size: 37KDObserved bind size: 37KD

Anti-CD23/FCER2 Antibody - Background

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