Datasheet for ABIN3043829

anti-FCER2 antibody (AA 50-331)

4 Images

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Overview

Quantity:	100 µg
Target:	FCER2
Binding Specificity:	AA 50-331
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FCER2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Low affinity immunoglobulin epsilon Fc receptor(FCER2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived mouse CD23 recombinant protein (Position: E50-P331). Mouse CD23 shares 52% amino acid (aa) sequence identity with human CD23.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Low affinity immunoglobulin epsilon Fc receptor(FCER2) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: Fc fragment of IgE, low affinity II, receptor for (CD23) Protein Name: Low affinity immunoglobulin epsilon Fc receptor

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Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	FCER2
Alternative Name:	FCER2 (FCER2 Products)
Background:	CD23, also known as Fc epsilon RII, or FcεRII, is the "low-affinity" receptor for IgE, an antibody isotype involved in allergy and resistance to parasites, and is important in regulation of IgE levels. There are two forms of CD23: CD23a and CD23b. CD23a is present on follicular B cells, whereas CD23b requires IL-4 to be expressed on T-cells, monocytes, Langerhans cells, eosinophils, and macrophages. As part of a mapping of multiple probes to specific bands on chromosome 19 by fluorescence in situ hybridization, 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, then functioning as a potent mitogenic growth factor. Synonyms: Blast 2 antibody|BLAST-2 antibody|Blast2 antibody|C type lectin domain family 4 member J antibody|C-type lectin domain family 4 member J antibody|C-type lectin domain family 4, member J antibody|CD 23 antibody|CD 23A antibody|CD23 antibody|CD23 antigen antibody|CD23A antibody|CLEC 4J antibody|CLEC4J antibody|Fc epsilon RII antibody|Fc fragment of IgE low affinity II receptor for antibody|Fc fragment of IgE, low affinity II, receptor for (CD23) antibody|Fc of IgE, low affinity II, receptor for (CD23) antibody|Fc receptor IgE low affinity II alpha polypeptide antibody|Fc receptor, IgE, low affinity II, alpha polypeptide, isoform CRA_a antibody|Fc-epsilon-RII antibody|FCE 2 antibody|FCE2 antibody|FCER 2 antibody|Fcer2 antibody|FCER2_HUMAN antibody|FCER2A antibody|FceRII antibody|IgE binding factor antibody|IgE receptor lymphocyte antibody|IgE-binding factor antibody|IGEBF antibody|Immunoglobulin E binding factor antibody|Immunoglobulin E receptor, low affinity II antibody|Immunoglobulin E-binding factor antibody|LEUKOCYTE ANTIGEN CD23 antibody|Low Affinity IgE Receptor antibody|Low affinity immunoglobulin epsilon Fc receptor antibody|Low affinity immunoglobulin epsilon Fc receptor membrane bound form antibody|Low affinity immunoglobulin epsilon Fc receptor soluble form antibody|Ly-42 antibody|Ly42 antibody|Lymphocyte antigen CD23 antibody|Lymphocyte IgE receptor antibody|MGC93219 antibody
Gene ID:	14128
UniProt:	P20693

Target Details

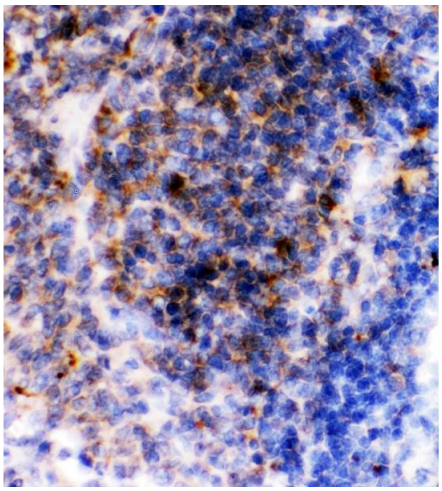
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, The detection limit for CD23 is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Mouse Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).
Restrictions:	For Research Use only

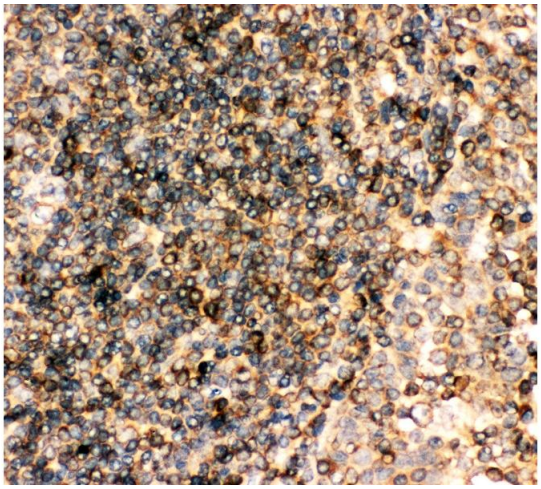
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.



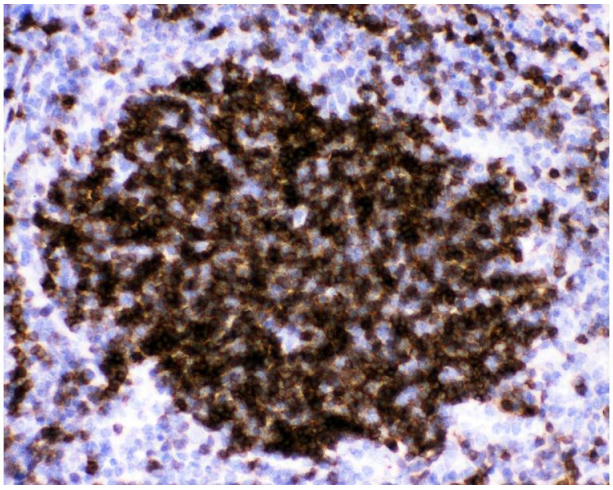
Immunohistochemistry

Image 1. Anti-CD23 Picoband antibody, IHC(P): Rat Spleen Tissue



Immunohistochemistry

Image 2. Anti-CD23 Picoband antibody, IHC(P): Human Tonsil Tissue



Immunohistochemistry

Image 3. Anti-CD23 Picoband antibody, IHC(P): Mouse Spleen Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043829.

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