Product datasheet

Anti-CD23/FCER2 Antibody

Catalog Number: *A04237*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-CD23/FCER2 Antibody
Gene Name	FCER2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human CD23 recombinant protein (Position: D48-R284).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	38-45 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

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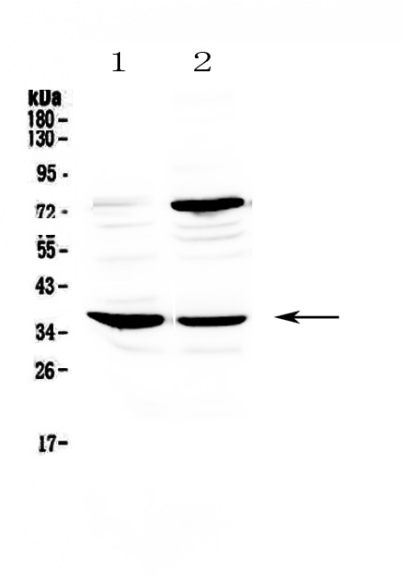
Selected Validation Data



Western blot analysis of CD23/FCER2 using anti-CD23/FCER2 antibody (A04237). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat spleen tissue lysates,
Lane 2: rat thymus tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD23/FCER2 antigen affinity purified polyclonal antibody (A04237) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD23/FCER2 at approximately 38-45 kDa. The expected band size for CD23/FCER2 is at 36 kDa.