

For Research Use Only

# CD23 Recombinant antibody

Catalog Number: 84024-2-RR



## Basic Information

<b>Catalog Number:</b> 84024-2-RR	<b>GenBank Accession Number:</b> BC064417	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2208	<b>CloneNo.:</b> 241269B10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P06734	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> Fc fragment of IgE, low affinity II, receptor for (CD23)	
	<b>Calculated MW:</b> 321 aa, 36 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : Raji cells, Ramos cells, Daudi cells, U-937 cells, NIH/3T3 cells, RAW 264.7 cells, mouse spleen tissue

IHC : human tonsillitis tissue,

## Background Information

CD23, also known as low-affinity immunoglobulin epsilon Fc receptor, is a transmembrane glycoprotein present on a subpopulation of B lymphocytes in germinal centers, EBV-transformed B-lymphoblastoid cell lines, follicular dendritic cells, and a subpopulation of peripheral blood cells. CD23 has essential roles in the regulation of IgE production and in the differentiation of B-cells

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

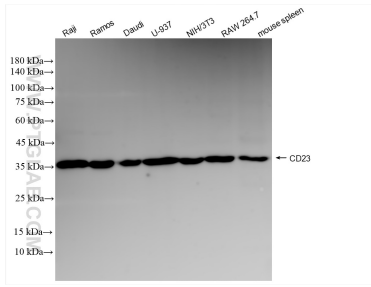
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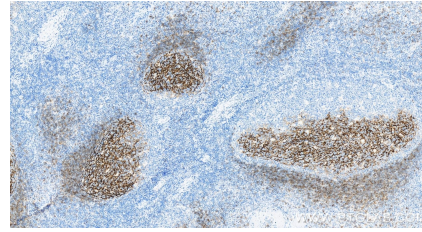
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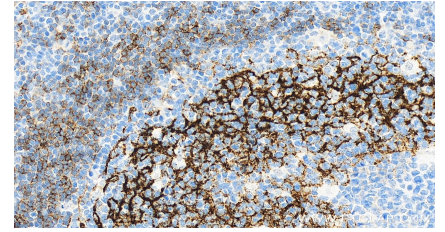
## Selected Validation Data



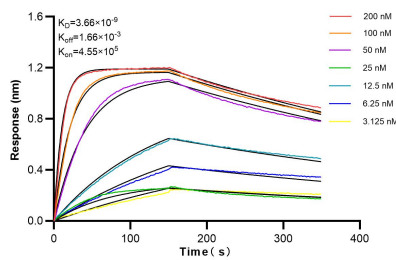
Various lysates were subjected to SDS PAGE followed by western blot with 84024-2-RR (CD23, FCER2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84024-2-RR (CD23 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84024-2-RR (CD23 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83996-4-RR against Human CD23 were performed. The affinity constant is 3.66 nM.