

For Research Use Only

# CD23 Monoclonal antibody

Catalog Number: 60208-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 60208-1-Ig	<b>GenBank Accession Number:</b> BC064417	<b>Purification Method:</b> Protein G purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 2208	<b>CloneNo.:</b> 3H6B8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P06734	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF-P 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> Fc fragment of IgE, low affinity II, receptor for (CD23)	
<b>Immunogen Catalog Number:</b> AG0425	<b>Calculated MW:</b> 321 aa, 36 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> THP-1 cells, DC2.4 cells, U-937 cells, Raji cells, Ramos cells, Daudi cells, Mo7e cells
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human tonsillitis tissue,
<b>Cited Species:</b> human, mouse	<b>IF-P :</b> human tonsillitis tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 centres, 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kiyoko Maruyama	34719578	Biol Pharm Bull	WB,IF
Ivan K Chinn	34315806	Sci Signal	IF
Qing Wang	37525587	Clin Transl Med	IHC,IF

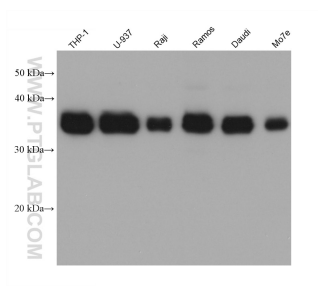
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

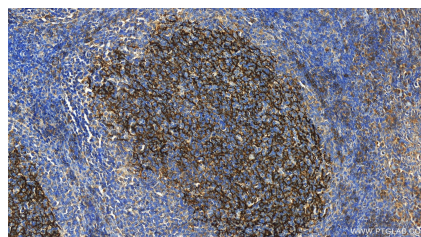
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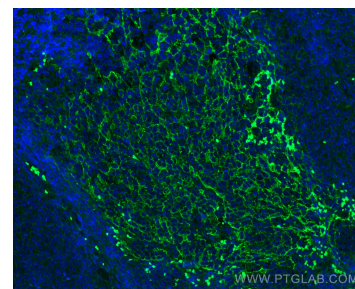
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60208-1-Ig (CD23 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60208-1-Ig (CD23 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CD23 antibody (60208-1-Ig, Clone: 3H6B8) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).