

CD23 Monoclonal antibody

Catalog Number: 60208-2-Ig

Basic Information

Catalog Number:

60208-2-Ig

Size:

1100 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG0425

GenBank Accession Number:

BC064417

GeneID (NCBI):

2208

UNIPROT ID:

P06734

Full Name:

Fc fragment of IgE, low affinity II, receptor for (CD23)

Calculated MW:

321 aa, 36 kDa

Observed MW:

40 kDa

Purification Method:

Protein A purification

CloneNo.:

4C7C9

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, 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,

IHC : human tonsillitis tissue, human lymphoma tissue

IF-P : 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 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.

Storage

Storage:

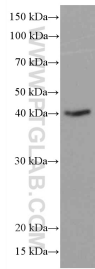
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

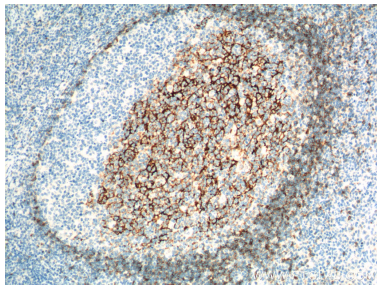
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

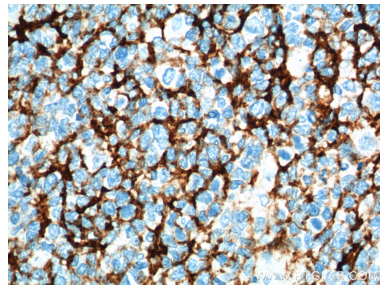
Selected Validation Data



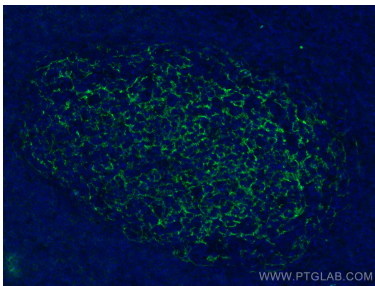
Raji cells were subjected to SDS PAGE followed by western blot with 60208-2-Ig (CD23 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60208-2-Ig (CD23 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60208-2-Ig (CD23 antibody at dilution of 1:200 (under 40x 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 (60208-2-Ig, Clone: 4C7C9) 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).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60208-2-Ig (CD23 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).