

# CD23 Polyclonal antibody

Catalog Number: 18642-1-AP

## Basic Information

**Catalog Number:**

18642-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13348

**GenBank Accession Number:**

BC014108

**GeneID (NCBI):**

2208

**UNIPROT ID:**

P06734

**Full Name:**

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

**Calculated MW:**

36 kDa

**Observed MW:**

38-42 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Species Specificity:**

human

**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

## 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:**

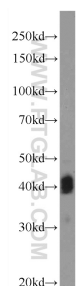
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

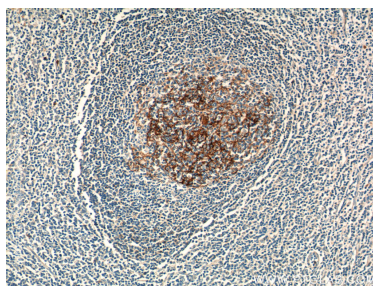
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

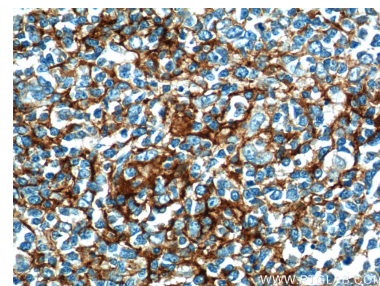
## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 18642-1-AP (FCER2,CD23 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18642-1-AP (FCER2,CD23 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18642-1-AP (FCER2,CD23 Antibody) at dilution of 1:50 (under 40x lens).