

# CD7 Monoclonal antibody

Catalog Number: 60209-1-Ig 2 Publications

## Basic Information

**Catalog Number:**

60209-1-Ig

**Size:**

1300 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG1805

**GenBank Accession Number:**

BC009293

**GeneID (NCBI):**

924

**ENSEMBL Gene ID:**

ENSG00000173762

**UNIPROT ID:**

P09564

**Full Name:**

CD7 molecule

**Calculated MW:**

240 aa, 25 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1G10D8

**Recommended Dilutions:**

IHC 1:1600-1:6400

IF-P 1:200-1:800

## Applications

**Tested Applications:**

IHC, IF-P, ELISA

**Cited Applications:**

IF

**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:**

**IHC :** human appendicitis tissue, human lymphoma tissue, human tonsillitis tissue

**IF-P :** human tonsillitis tissue,

## Background Information

CD7 is a 40 kD type I transmembrane glycoprotein expressed on thymocytes and mature T cells. It is the most reliable clinical marker of T-cell acute lymphocytic leukemia.

## Notable Publications

| Author                 | Pubmed ID | Journal    | Application |
|------------------------|-----------|------------|-------------|
| Margaret M Billingsley | 38072809  | Small      |             |
| Hai-Yan Zhou           | 37703873  | Cell Metab | IF,FC       |

## Storage

**Storage:**

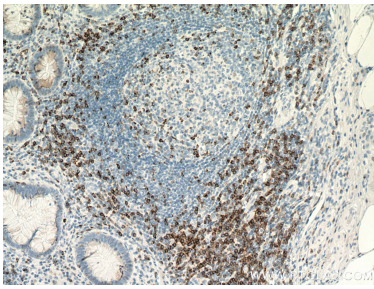
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

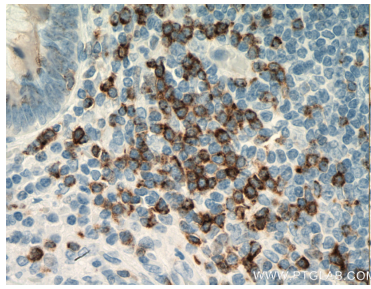
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

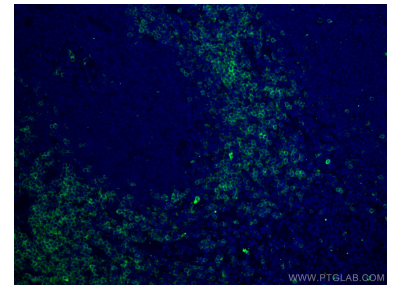
## Selected Validation Data



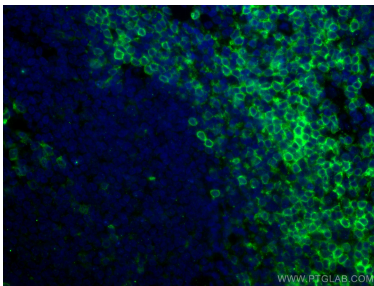
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60209-1-Ig (CD7 antibody) at dilution of 1:3200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60209-1-Ig (CD7 antibody) at dilution of 1:3200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 60209-1-Ig (CD7 antibody), at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 60209-1-Ig (CD7 antibody), at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).