

For Research Use Only

CD7 Monoclonal antibody

Catalog Number: 60209-1-Ig **2 Publications**



Basic Information

| | | |
|---|---------------------------------------|---|
| Catalog Number: 60209-1-Ig | GenBank Accession Number: BC009293 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 924 | CloneNo.: 1G10D8 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000173762 | Recommended Dilutions: IHC 1:1600-1:6400 IF-P 1:200-1:800 |
| Isotype: IgG1 | UNIPROT ID: P09564 | |
| Immunogen Catalog Number: AG1805 | Full Name: CD7 molecule | |
| | Calculated MW: 240 aa, 25 kDa | |

Applications

| | |
|--|--|
| Tested Applications: IHC, IF-P, ELISA | Positive Controls: |
| Cited Applications: IF | IHC : human appendicitis tissue, human lymphoma tissue, human tonsillitis tissue |
| Species Specificity: human | IF-P : human tonsillitis tissue, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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

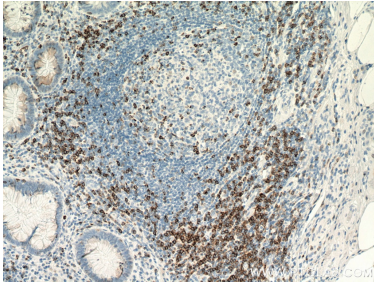
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

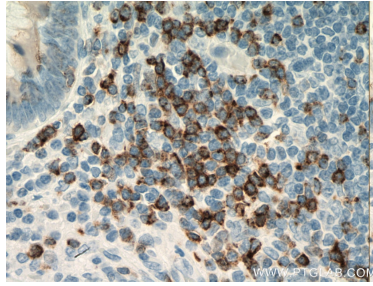
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

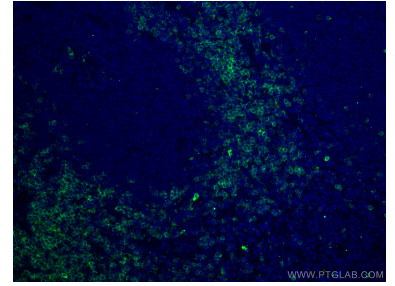
Selected Validation Data



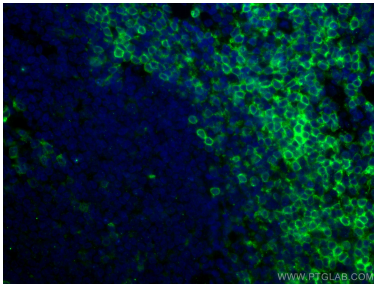
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60209-1-Ig (CD7 antibody) at dilution of 1:3200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



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).