

À des fins de recherche uniquement

# Anticorps Monoclonal anti-CD3

Numéro de catalogue: 60181-1-Ig

Phare

29 Publications



## Informations de base

Numéro de catalogue: 60181-1-Ig	Numéro d'acquisition GenBank: BC049847	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 916	CloneNo.: 3F3A1
Hôte: Mouse	Nom complet: CD3e molecule, epsilon (CD3-TCR complex)	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:3200-1:12800 IF 1:200-1:800
Isotype: IgG2b	MW calculé 207 aa, 23 kDa	
Immunogen Catalog Number: AG11797	MW observés: 23 kDa	

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
FC, IF, IHC

Spécificité de l'espèce:  
Humain

Espèces citées:  
Humain

Contrôles positifs:

WB : cellules MOLT-4, cellules Jurkat, CMSP humaines

IHC : tissu d'amygdalite humain, tissu de côlon humain

IF : tissu d'amygdalite humain, cellules Jurkat

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

CD3 is a complex of proteins that directly associates with the T cell receptor (TCR). The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction. CD3 is considered to be a pan-T cell marker for detection of normal and neoplastic T cells. This anti-CD3 is a monoclonal antibody directed against the epsilon chain of human CD3 molecule.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Jiayu Wang	34537815	Cell Death Discov	IF
Wenbo Zhao	36309750	J Transl Med	
Jing-Ya Yang	33107682	J Cell Mol Med	IF

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

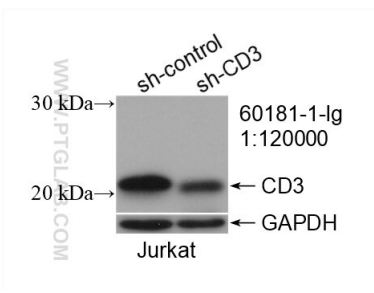
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

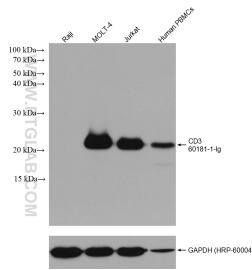
E: proteintech@ptglab.com  
W: ptglab.com

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

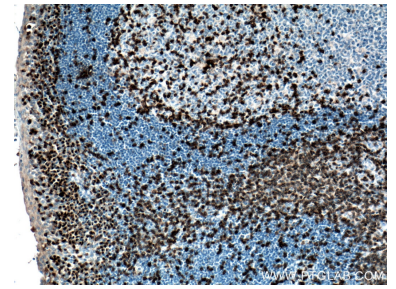
## Données de validation sélectionnées



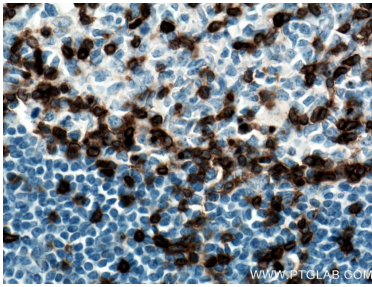
WB result of CD3 antibody (60181-1-Ig; 1:120000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD3 transfected Jurkat cells.



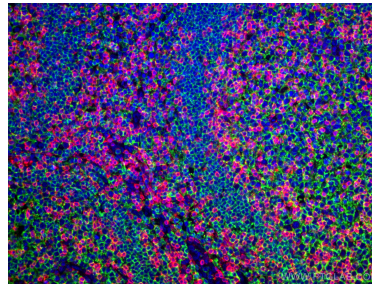
Various lysates were subjected to SDS PAGE followed by western blot with 60181-1-Ig (CD3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



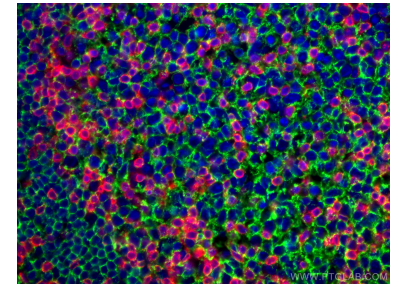
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60181-1-Ig (CD3E antibody) at dilution of 1:6400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



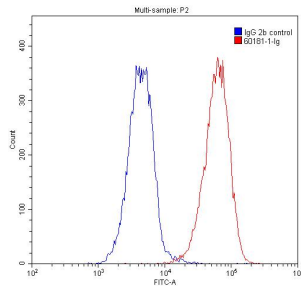
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60181-1-Ig (CD3E antibody) at dilution of 1:6400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD3 antibody (60181-1-Ig, Clone: 3F3A1) at dilution of 1:400 and CoraLite@594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CD20 antibody (24828-1-AP, green).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD3 antibody (60181-1-Ig, Clone: 3F3A1) at dilution of 1:400 and CoraLite@594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CD20 antibody (24828-1-AP, green).



$1 \times 10^6$  Jurkat cells were stained with 0.20ug CD3 antibody (60181-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.