

Allgemeine Informationen

Katalog-Nr.: 17617-1-AP	GenBank-Zugangsnummer: BC049847	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 550 µg/ml von Nanodrop;	GeneID (NCBI): 916	Empfohlene Verdünnungen: WB 1:1000-1:8000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: CD3e molecule, epsilon (CD3-TCR complex)	IHC 1:500-1:2000 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 207 aa, 23 kDa	
Immunogen Katalognummer: AG11797	Beobachtete Masse: 23-25 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

Cell treatment, FC, IF, IHC, WB

Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Jurkat-Zellen, Hausschwein-Milzgewebe, humanes Milzgewebe, Maus-Thymusgewebe, MOLT-4-Zellen, Ratten-Thymusgewebe

IP : Jurkat-Zellen,

IHC : humanes Tonsillitisgewebe, humanes Lungenkarzinomgewebe, humanes Lymphomgewebe, humanes Mammakarzinomgewebe, humanes Pankreaskarzinomgewebe, Maus-Kolongewebe, Mausmilzgewebe, Ratten-Thymusgewebe

IF : humanes Tonsillitisgewebe,

Hintergrundinformationen

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 polyclonal antibody directed against the epsilon chain of human CD3 molecule.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiao Wu	36168732	Exp Dermatol	IHC
Lan Zhang	34586738	Clin Transl Med	IHC,FC
Rilin Deng	32963356	Cell Mol Immunol	IHC

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

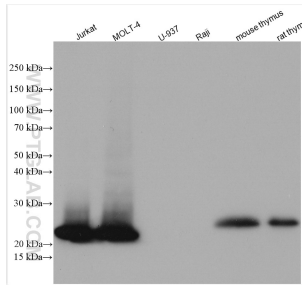
For technical support and original validation data for this product please contact:

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

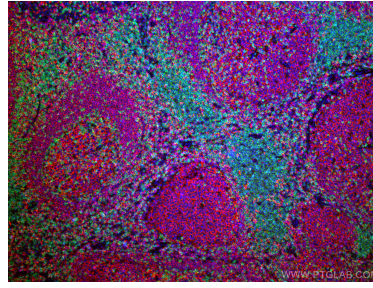
E: proteintech@ptglab.com
W: ptglab.com

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

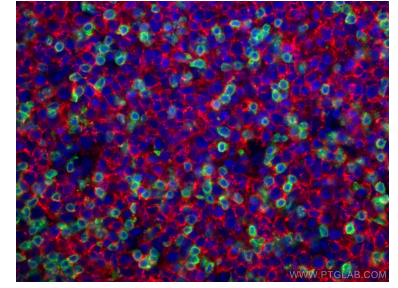
Ausgewählte Validierungsdaten



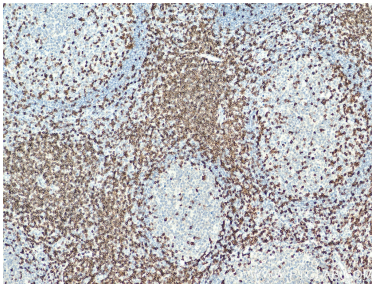
Jurkat cells (CD3+), MOLT-4 cells (CD3+), U-937 cells (CD3-), Raji cells (CD3-), mouse thymus tissue, and rat thymus tissue were subjected to SDS PAGE followed by western blot with 17617-1-AP (CD3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



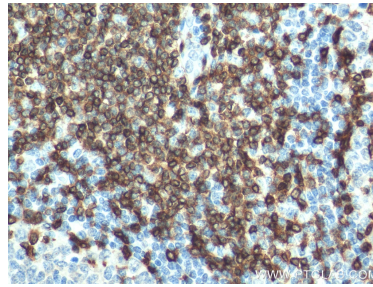
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD3 antibody (17617-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CD20 antibody (60271-1-Ig, Clone: 4A7G3, red).



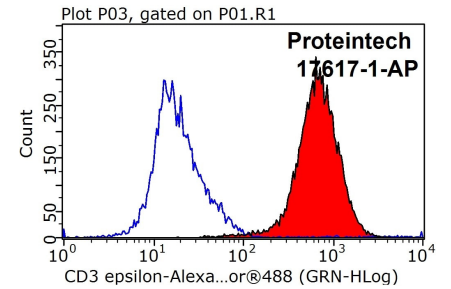
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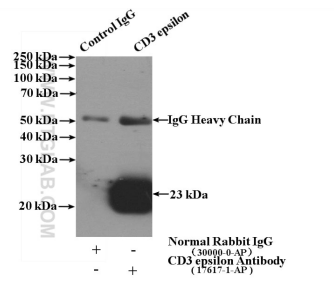
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17617-1-AP (CD3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17617-1-AP (CD3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ Jurkat cells were stained with 0.5ug CD3 antibody (17617-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP Result of anti-CD3 (IP:17617-1-AP, 4ug; Detection:17617-1-AP 1:1000) with Jurkat cells lysate 3600ug.