

For Research Use Only

# CoraLite®594-conjugated CD3 Monoclonal antibody



Catalog Number: CL594-60181

1 Publications

## Basic Information

<b>Catalog Number:</b> CL594-60181	<b>GenBank Accession Number:</b> BC049847	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 916	<b>CloneNo.:</b> 3F3A1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000198851	<b>Recommended Dilutions:</b> IF-P 1:200-1:800
<b>Isotype:</b> IgG2b	<b>UNIPROT ID:</b> P07766	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG11797	<b>Full Name:</b> CD3e molecule, epsilon (CD3-TCR complex)	
	<b>Calculated MW:</b> 207 aa, 23 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P: human tonsillitis tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

## Background Information

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. This antibody is CL594(Ex/Em 593 nm/614 nm) conjugated.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaojie Gan	38036041	Cancer Lett	IF

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

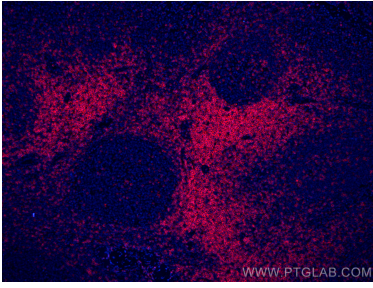
T: 4006900926

E: Proteintech-CN@ptglab.com

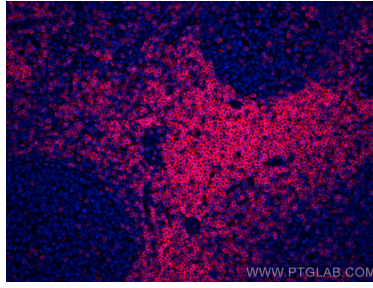
W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 CD3 antibody (CL594-60181, Clone: 3F3A1) at dilution of 1:400.



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