

For Research Use Only

# CoraLite® Plus 488-conjugated Alpha 1 antichymotrypsin Monoclonal antibody

Catalog Number:CL488-66078



## Basic Information

Catalog Number: CL488-66078	GenBank Accession Number: BC010530	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 12	CloneNo.: 3F2F10
Source: Mouse	UNIPROT ID: P01011	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG2b	Full Name: serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG2830	Calculated MW: 448 aa, 48 kDa	
	Observed MW: 60 kDa	

## Applications

Tested Applications: IF-P	Positive Controls: IF-P : human tonsillitis tissue,
Species Specificity: human	

## Background Information

Human SerpinA3, also known as Alpha 1-antichymotrypsin (AACT), is a member of the serine protease inhibitor class, and is a plasma alpha globulin glycoprotein which increases in the blood during the inflammatory process. SerpinA3, is also an inhibitor of neutrophil cathepsin G, mast cell chymases and pancreatic chymotrypsin. SerpinA3 is produced primarily in the liver, and is identified as an acute-phase inflammatory protein. SerpinA3 deficiency has been associated with liver disease. SerpinA3 has also been implicated in the pathology of a number of devastating human diseases including chronic obstructive pulmonary disease (COPD), Parkinson's disease (PD), Alzheimer's disease (AD), Stroke, Cystic Fibrosis, Cerebral Haemorrhage and Multiple System Atrophy.

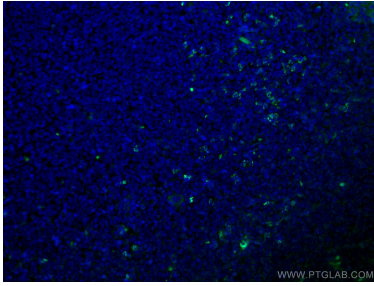
## Storage

**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:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-66078 (alpha 1 Antichymotrypsin antibody) at dilution of 1:50.