

For Research Use Only

# CoraLite®594-conjugated CD11c/Integrin alpha X Recombinant antibody

Catalog Number: CL594-81853



## Basic Information

<b>Catalog Number:</b> CL594-81853	<b>GenBank Accession Number:</b> BC038237	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 3687	<b>CloneNo.:</b> 5017
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000140678	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P20702	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG11380	<b>Full Name:</b> integrin, alpha X (complement component 3 receptor 4 subunit)	
	<b>Calculated MW:</b> 1169 aa, 129 kDa	

## Applications

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

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits (PMID: 9779984). CD11c, also known as integrin  $\alpha$  X, is a type I transmembrane glycoprotein present on a variety of cells, including monocytes/macrophages, granulocytes, a subset of B cells, NK cells and dendritic cells (PMID: 2897326; 1680915; 1694698; 17389580). As a result of its high level of expression on most dendritic cells, CD11c is typically considered to be a marker of conventional dendritic cells (PMID: 27119555). CD11c forms an  $\alpha$  /  $\beta$  heterodimer with CD18 (integrin  $\beta$  2). CD11c/CD18 acts a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

## 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:

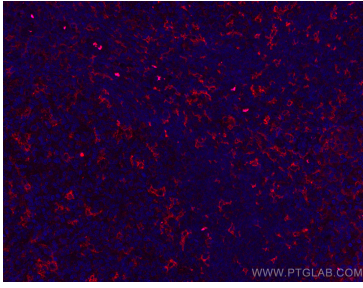
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CoraLite®594 CD11c/Integrin alpha X antibody (CL594-81853, Clone: 5O17) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).