

For Research Use Only

# CoraLite®594-conjugated Galectin-4 Monoclonal antibody



Catalog Number:CL594-66686

## Basic Information

<b>Catalog Number:</b> CL594-66686	<b>GenBank Accession Number:</b> BC034750	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3960	<b>CloneNo.:</b> 3C2G3
<b>Source:</b> Mouse	<b>Full Name:</b> lectin, galactoside-binding, soluble, 4	<b>Recommended Dilutions:</b> 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 323 aa, 36 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Immunogen Catalog Number:</b> AG4049	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : human colon cancer tissue,
<b>Species Specificity:</b> Human	

## Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for  $\beta$ -galactose-containing oligosaccharides (PMID: 8063692). Galectin-4 contains two arbohydrate recognition domains (CRDs) and is expressed in the epithelium of oral mucosa, esophagus, and intestinal and colonic mucosa (PMID: 15546874; 15115909). Aberrant expression of galectin-4 has been reported in several cancers.

## Storage

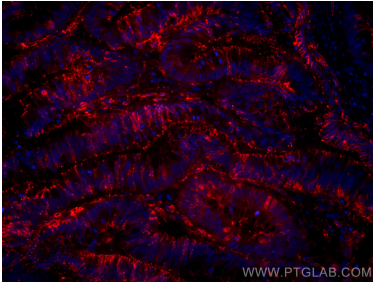
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

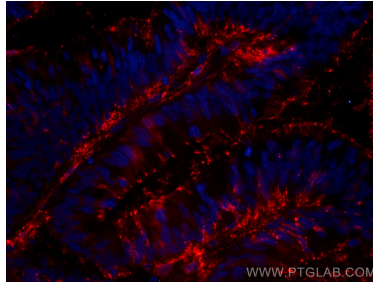
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite@594 Galectin-4 antibody (CL594-66686, Clone: 3C2G3) at dilution of 1:200.



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