

For Research Use Only

# CoraLite®555-conjugated S100A11 Polyclonal antibody



Catalog Number: CL555-10237

Featured Product

## Basic Information

<b>Catalog Number:</b> CL555-10237	<b>GenBank Accession Number:</b> BC001410	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6282	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> S100 calcium binding protein A11	<b>Excitation/Emission maxima wavelengths:</b> 555 nm / 570 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 105 aa, 12 kDa	
<b>Immunogen Catalog Number:</b> AG0343		

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : PC-3 cells,
<b>Species Specificity:</b> human, rat, mouse	

## Background Information

S100A11 (also known as S100C or calziggarin), is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs (PMID: 18694925). S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. First discovered in 1989, S100A11 has since been proposed to have direct biological functions in an assortment of physiological processes such as endo- and exocytosis, regulation of enzyme activity, cell growth and regulation, apoptosis and inflammation (PMID: 15241500). Chromosomal rearrangements and altered expression of S100A11 have been implicated in tumor metastasis. This S100A11 antibody (10237-1-AP) has also been instrumental in investigations into S100A11's role in the development of brain tumors in tuberous sclerosis complex (TSC) patients (PMID: 20133820).

## Storage

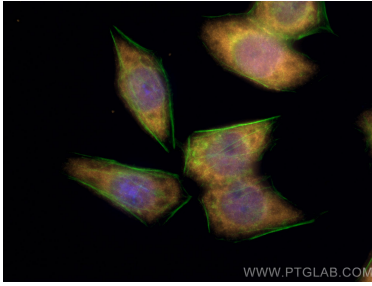
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

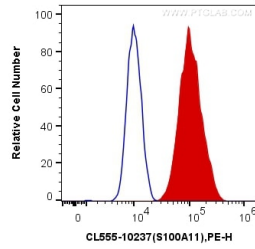
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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 (-20°C Ethanol) fixed PC-3 cells using CoraLite®555 S100A11 antibody (CL555-10237) at dilution of 1:200.



1X10<sup>6</sup> PC-3 cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human S100A11 (CL555-10237) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).