

For Research Use Only

# CoraLite® Plus 488-conjugated TACSTD2/TROP2 Recombinant monoclonal antibody

Catalog Number:**CL488-86155**



## Basic Information

|   |  |   |
|---|--|---|
| Catalog Number:                               | GenBank Accession Number:                    | Purification Method:                    |
| CL488-86155                                   | BC009409                                     | Protein A purification                  |
| Size:   | GenelD (NCBI):                               | CloneNo.:                               |
| 100ul, Concentration: 1000 ug/ml by Nanodrop; | 4070   | 250382C9                                |
| Source:                                       | UNIPROT ID:                                  | Recommended Dilutions:                  |
| Rabbit  | P09758                                       | IF/ICC: 1:50-1:500                      |
| Isotype:                                      | Full Name:                                   | Excitation/Emission maxima wavelengths: |
| IgG   | tumor-associated calcium signal transducer 2 | 493 nm / 522 nm                         |
| Immunogen Catalog Number:                     | Calculated MW:                               |   |
| EG3329  | 36 kDa                                       |   |

## Applications

|                      |                       |
|----------------------|-----------------------|
| Tested Applications: | Positive Controls:    |
| IF/ICC               | IF/ICC : HaCaT cells, |
| Species Specificity: |                       |
| human                |                       |

## Background Information

Trophoblast cell surface antigen 2 (TROP2), also named as TACSTD2, is a transmembrane glycoprotein. TROP2 plays a role in transducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. TROP2 is overexpressed in most carcinomas and is involved in cancer proliferation, migration, invasion, and metastasis. Congenital mutations of TROP2 cause a rare autosomal recessive disease which may lead to blindness-the gelatinous drop-like corneal disease (PMID: 35688908).

## Storage

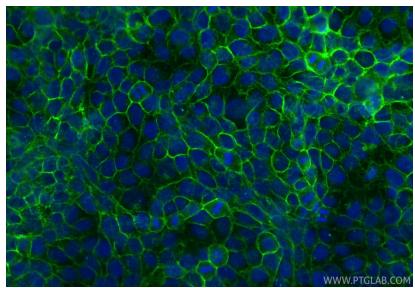
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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 Methanol) fixed HaCaT cells using Coralite® Plus 488 TACSTD2/TROP2 antibody (CL488-86155, Clone: 250382C9 ) at dilution of 1:200.