

For Research Use Only

CoraLite® Plus 488-conjugated TIM3 Monoclonal antibody

Catalog Number: CL488-60355



Basic Information

Catalog Number:

CL488-60355

Size:

100ul , Concentration: 1000 µg/ml by
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG16901

GenBank Accession Number:

BC020843

GeneID (NCBI):

84868

UNIPROT ID:

Q8TDQ0

Full Name:

hepatitis A virus cellular receptor 2

Calculated MW:

301 aa, 33 kDa

Observed MW:

33 kDa, 50-70 kDa

Purification Method:

Protein G purification

CloneNo.:

4C4G3

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P : human tonsillitis tissue,

Background Information

TIM3, also known as HAVCR2, is a member of the recently discovered T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection (PMID: 23180819). TIM3 is expressed by T-helper type 1 (Th1) cells, macrophage, monocyte, dendritic cells, CD8+ T cell and other lymphocyte subsets. Galectin-9 is a ligand for TIM3. TIM3-galectin-9 pathway negatively regulates T helper type 1 immunity (PMID: 16286920). TIM3 is a 280-aa membrane protein with a calculated molecular weight of 33 kDa, the higher molecular weights between 50 and 70 kDa detected by this monoclonal antibody probably represent glycosylated TIM3 (PMID: 20107545; 17069754; 11725301).

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

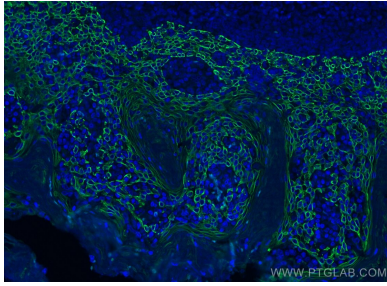
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
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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® Plus 488 TIM3 antibody (CL488-60355, Clone: 4C4G3) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).