For Research Use Only

CoraLite®532-conjugated TIM3 Monoclonal antibody

Catalog Number:CL532-60355

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL532-60355

Concentration:
1000 μg/ml

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:
537 nm / 560 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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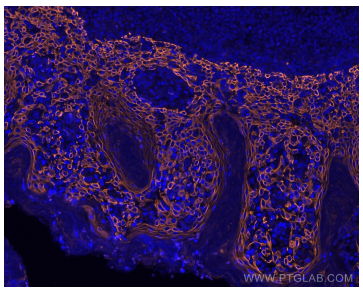
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CoraLite®532 TIM3 antibody (CL532-60355, Clone: 4C4G3) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).