

# CoraLite® Plus 488-conjugated TIM3 Monoclonal antibody

Catalog Number: CL488-60355

## Basic Information

## Catalog Number:

CL488-60355

## 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:

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:

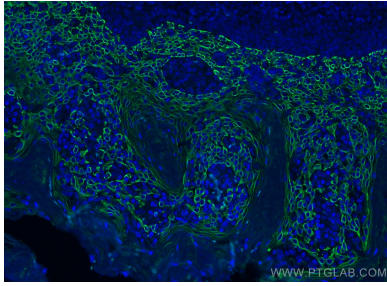
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

## Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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).