For Research Use Only

CoraLite® Plus 647 Anti-Human TIM3 Rabbit Recombinant Antibody

Catalog Number: CL647-98115



Basic Information

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Size:

100tests, 5 ul/test

Source: Rabbit

Isotype:

GenBank Accession Number:

BC020843 GeneID (NCBI): 84868

UNIPROT ID: Q8TDQ0

Full Name:

hepatitis A virus cellular receptor 2

Calculated MW: 301 aa, 33 kDa

Purification Method: Protein A purification

CloneNo.: 241422H1

Recommended Dilutions:

FC: 5 ul per 10^6 cells in a 100 µl

suspension

Excitation/Emission maxima

wavelengths: 654 nm / 674 nm

Applications

Tested Applications:

Species Specificity:

human

Positive Controls:

FC: Anti-CD3/CD28 treated human PBMCs,

Background Information

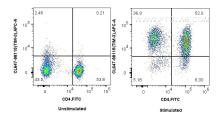
TIM3, also known as HAVCR2, is a member of the recently discovered T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection (PMID: 23180819). TIM3 is expressed by Thelper 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).

Storage

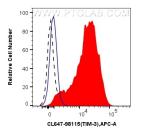
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

Selected Validation Data



1x10^6 untreated or anti-CD3/CD28 treated human PBMCs were surface stained with FITC Plus Anti-Human CD4 and 5 ul Coralite® Plus 647 Anti-Human TIM3 Rabbit RecAb (CL647-98115, Clone: 241422H1). Cells were not fixed.



1x10^6 anti-CD3/CD28 treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human TIM3 Rabbit RecAb (CL647-98115, Clone: 241422H1) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9)(blue). 1x10^6 untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human TIM3 Rabbit RecAb (CL647-98115, Clone: 241422H1) (black, dashed). Cells were not fixed.