

For Research Use Only

Recombinant Mouse TIM-3 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2831

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Mouse TIM-3 protein Ser21-Thr189 (Accession# Q8VIM0-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
171285

Accession:
Q8VIM0-1

Predicted Molecular Mass:
44.3 kDa

SDS-PAGE:
52-70 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

TIM3, also known as HAVCR2, is a member of 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. 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.

References

1. Isabel Sada-Ovalle, et al. (2012) J Immunol. 189(12):5896-902.
2. Chen Zhu, et al. (2005) Nat Immunol. 6(12):1245-52.

Synonyms

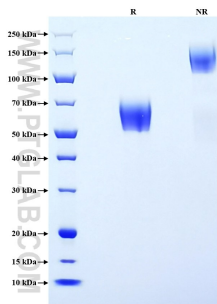
CD366, Havcr2, HAVcr-2, Hepatitis A virus cellular receptor 2 homolog, T-cell immunoglobulin and mucin domain-containing protein 3

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

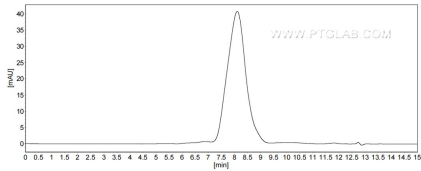
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Selected Validation Data



Purity of Recombinant Mouse TIM-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse TIM-3 was greater than 90% as determined by SEC-HPLC.