

Catalog Number: Eg3245

Basic Information

Species:
Rat**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Rat TIM-3 protein Leu22-Ala194 (Accession# POCOK5) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

363578

Accession:

POCOK5

Predicted Molecular Mass:

45.0 kDa

SDS-PAGE:

50-70 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 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. 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.

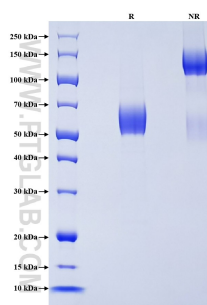
References

- 1.Sada-Ovalle I, et al. (2012). J Immunol. 15;189(12):5896-902.
- 2.Zhu C, et al. (2005). Nat Immunol. 6(12):1245-52.
- 3.Lee MJ, et al. (2009). Immune Netw. 9(2):58-63.
- 4.van de Weyer PS, et al. (2006). Biochem Biophys Res Commun. 15;351(2):571-6.
- 5.McIntire JJ, et al. (2001). Nat Immunol. 2(12):1109-16.

Synonyms

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

Selected Validation Data



Purity of Recombinant Rat 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.

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

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