

Recombinant Human Tim-3 / HAVCR2 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human Tim-3 / HAVCR2 (His Tag)	93562ES20	20 µg
	93562ES60	100 µg
	93562ES76	500 µg
	93562ES80	1 mg

产品描述

TIM-3, also known as HAVCR2, is a 60 kDa member of the TIM family of immune regulating molecules. TIMs are type I transmembrane glycoproteins with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk region. Within the ECD, human TIM-3 shares 58% aa sequence identity with mouse and rat TIM-3. TIM-3 is up-regulated on several populations of activated myeloid cells (macrophage, monocyte, dendritic cell, microglia, mast cell) and T cells (Th1, CD8+, NK, Treg). Its binding to Galectin-9 induces a range of immunosuppressive functions which enhance immune tolerance and inhibit anti-tumor immunity. In addition, dendritic cell-expressed TIM-3 dampens inflammation by enabling the phagocytosis of apoptotic cells and the cross-presentation of apoptotic cell antigens. It also binds the alarmin HMGB1, thereby preventing the activation of TLRs in response to released tumor cell DNA.

产品性质

别名 (Synonyms)	CD366, TIM3, TIM-3, TIMD-3, TIM 3, FLJ14428, HAVCR2, KIM3
Uniprot No.	Q8TDQ0-1
表达区间及表达系统 (Source)	HEK293 Cells-derived Human Tim-3 / HAVCR2 Protein, Ser22-Arg200 with His tag at the C-terminal
分子量(Molecular Weight)	Approximately 20.7 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC
活性 (Activity)	ELISA Data: Immobilized Human TIM-3, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-TIM-3 Antibody, hFc Tag with the EC ₅₀ of 8.6 ng/mL determined by ELISA.
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL` is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

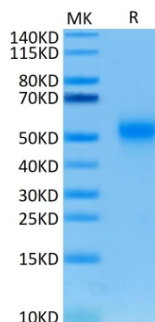
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

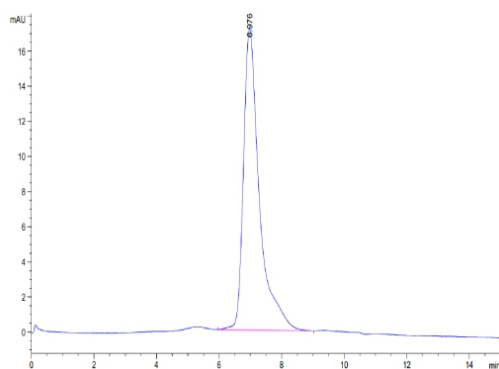
产品数据

Tris-Bis PAGE



Human TIM-3 on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

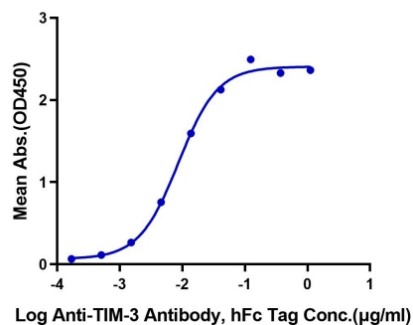
SEC-HPLC



The purity of Human TIM-3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TIM-3, His Tag ELISA
0.05 μ g Human TIM-3, His Tag Per Well



Immobilized Human TIM-3, His Tag at 0.5 μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-TIM-3 Antibody, hFc Tag with the EC_{50} of 8.6 ng/mL determined by ELISA.