

TIM-3/HAVCR2 Protein, Marmoset (HEK293, His)

Cat. No.:	HY-P72510
Synonyms:	Hepatitis A virus cellular receptor 2 homolog; T cell immunoglobulin and mucin domain3; HAVCR2; CD366; TIM3
Species:	Marmoset
Source:	HEK293
Accession:	F71881 (E21-I190)
Gene ID:	100399869
Molecular Weight:	30-45 kDa

PROPERTIES

AA Sequence	<pre> E E Y I V E V G Q N A Y L P C F Y T L D T P G N L V P V C W G K G A C P V F E C G D V V L R T D E R D V S Y R T S S R Y W L N G D F H K G N V T L A I G N V T L E D S G I Y C C R V Q I P G I M N D K K F N L K L V I K P A K V T P A P T L P R D S T P A F P R M L T T E D H G P A E T Q T L E I L H D K N L T Q L S T L A N E L Q D A G T T I R I </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>TIM-3/HAVCR2 Protein is a transmembrane protein of T lymphocytes (CD4⁺ and CD8⁺ T cells), other lymphocytes (like NK cells), myeloid cells (monocytes, macrophages, DC, mast cells), or various cells in different tumor types. TIM-3/HAVCR2 Protein is an immune checkpoint and together with other inhibitory receptors including programmed cell death protein 1 (PD-1) and lymphocyte activation gene 3 protein (LAG3) mediate the CD8⁺ T-cell exhaustion in terms of proliferation and secretion of cytokines such as TNF-alpha, IFN-gamma and IL-2^{[2][3]}. TIM-3/HAVCR2 Protein has also been shown as a CD4⁺ Th1-specific cell surface protein that regulates macrophage activation, regulates the production of cytokines and enhances the severity of experimental autoimmune encephalomyelitis in mice^[1].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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