

TIGIT Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P76674
Synonyms:	T cell immunoreceptor with Ig and ITIM domains; TIGIT; VSIG9; VSTM3
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_015300911 (K27-P209)
Gene ID:	102121588
Molecular Weight:	Approximately 47.2 kDa

PROPERTIES

AA Sequence	<p>K P G F S E T V F S H R L S F T V L S A V G Y F R W Q K R P H L L P V S P L G R</p> <p>S M R W C L F L I W A Q G L R Q A P L A S G M M T G T I E T T G N I S A K K G G</p> <p>S V I L Q C H L S S T M A Q V T Q V N W E Q H D H S L L A I R N A E L G W H I Y</p> <p>P A F K D R V A P G P G L G L T L Q S L T M N D T G E Y F C T Y H T Y P D G T Y</p> <p>R G R I F L E V L E S S V A E H S A R F Q I P</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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>TIGIT binds to the poliovirus receptor (PVR) or PVR2, which can inhibit the activity of T and natural killer (NK) cells. In addition, TIGIT also regulates the recognition of cancer cells. Therefore, TIGIT is considered to be a promising target for cancer immunotherapy. TIGIT has three ligands: CD155, CD112, and CD113. The binding of TIGIT to CD155 promotes the direct and indirect downregulation of T cell response. In summary, TIGIT can act as an immune modulator and play a key role in limiting adaptive immunity and innate immunity^{[1][2][3]}.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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