

VISTA/B7-H5 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P73544
Synonyms:	Platelet receptor Gi24; Stress-induced secreted protein-1; Sisp-1; C10orf54; SISP1
Species:	Rhesus Macaque
Source:	HEK293
Accession:	F7F6S6 (F33-A194)
Gene ID:	709595
Molecular Weight:	Approximately 32-45 kDa due to glycosylation

PROPERTIES

AA Sequence	F K V A T L Y S L Y V C P E G Q N V T L T C R F F G P V D K G H D V T F Y K T W Y R S S R G E V Q T C S E R R P I R N L T F Q D L H L H H G G H Q A A N T S H D L A Q R H G L E S A S D H H G N F S I T M R N L T L L D S G L Y C C L V V E I R H H H S E H R V H G A M E L Q V Q T G K D A P S S C V A Y P S S S Q E S E N I T A A
Biological Activity	Measured by its ability to inhibit anti-CD3 antibody induced IL-2 secretion in Jurkat human T lymphocytes. The ED ₅₀ for this effect is 1.828 µg/mL in the presence of 5 µg/mL anti-CD3, corresponding to a specific activity is 547.046 U/mg.
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>VISTA/B7-H5 Protein is an immune regulatory receptor that can regulate immune responses as a ligand and receptor. VISTA/B7-H5 Protein is a type I transmembrane protein that is an immune regulatory protein that detects tumors and immune cells in tumor immunotherapy^[1].</p> <p>VISTA/B7-H5 Protein inhibits T cell activation, induces Foxp3 expression, and is highly expressed in the tumor</p>
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microenvironment. Blocking the expression of VISTA/B7-H5 Protein can enhance the anti-tumor immune response in mice^[2]

Caution: Product has not been fully validated for medical applications. For research use only.

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