

LILRB1/CD85j/ILT2 Protein, Human (Biotinylated, HEK293, Fc-Avi)

Cat. No.:	HY-P78900
Synonyms:	CD85J; LILRB1; CD85; ILT2; LIR1; MIR7
Species:	Human
Source:	HEK293
Accession:	D9IDM8 (G24-H458)
Gene ID:	10859
Molecular Weight:	100-116 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized a 0.22 µm filtered solution of PBS, 6% Trehalose, 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>LILRB1 binds MHC class I and also contain immunoreceptor tyrosine-based inhibitory motifs involved in the intracellular transduction of inhibitory signaling, which establishes them as strong candidates for MHC class I-mediated suppression of phagocytosis^[1].</p> <p>LILRB1 and PD1 shows nonoverlapping expression patterns across CD8+ TEM and TEMRA subsets, and blocking both pathways synergistically enhanced CD8+ T cell function. LILRB1 is highly expressed by the CD8+ TEMRA subset, which is the most potent population for BiTE molecule-induced toxicity. LILRB1-expressing CD8+ T cells infiltrate solid tumors. LILRB1 blockade increases CD8+ T cell cytolytic activity in vitro^[3].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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