

LAIR1 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P72528
Synonyms:	Leukocyte-Associated Immunoglobulin-Like Receptor 1; LAIR-1; hLAIR1; CD305
Species:	Rhesus Macaque
Source:	HEK293
Accession:	A0A0U3SBU1 (Q22-Y165)
Gene ID:	/
Molecular Weight:	25-33 kDa

PROPERTIES

AA Sequence	<p>Q E G P L P R P S I S A E P G T V I P P G R P V T I V C R G P A G V D Q F R L E</p> <p>R E G R S K F N D T K D V S Q A S P S E S E A R F R I D S V S E G N T R H Y R C</p> <p>L Y R K S T E W S Q R S D Y L D L V V K E T S G D T D S P V T E P D S S A G P T</p> <p>Q R P S D N S H N E H A P A S Q G L S A E H L Y</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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	LAIR1 Protein is a transmembrane glycoprotein with a single immunoglobulin-like domain and a cytoplasmic tail containing two immune receptor tyrosine-based inhibitory motifs. LAIR1 Protein recruits SHP-1 and SHP-2 phosphatases upon activation, and cross-linking of the LAIR-1 antigen on natural killer (NK) cells results in strong inhibition of NK cell-mediated cytotoxicity ^{[2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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