

## LILRB3/CD85a Protein, Human (HEK293, Fc)

<b>Cat. No.:</b>	HY-P75912
<b>Synonyms:</b>	Leukocyte immunoglobulin-like receptor subfamily B member 3; LIR-3; ILT-5; CD85a
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	AAI04994.1 (G24-E443)
<b>Gene ID:</b>	102725035
<b>Molecular Weight:</b>	Approximately 90-110 kDa

### PROPERTIES

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

### DESCRIPTION

<b>Background</b>	LILRB3/CD85a Protein appears to function as a receptor for class I MHC antigens, highlighting its integral role in immune
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recognition. Activation of LILRB3 is triggered upon coligation with immune receptors like FCGR2B and the B-cell receptor. This activation leads to the down-regulation of antigen-induced B-cell activation through the recruitment of phosphatases to its immunoreceptor tyrosine-based inhibitor motifs (ITIM). The protein further interacts with key signaling molecules including LYN, PTPN6/SHP-1, and PTPN11/SHP-2, emphasizing its involvement in intricate signaling cascades that regulate immune responses. A comprehensive exploration of LILRB3's interactions and its modulation of immune receptor activities could enhance our understanding of its function and potential implications in the fine-tuning of B-cell activation and immune regulation.

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

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