

## Recombinant Cynomolgus monkey LILRB4 Protein, His-tagged

Cat. No. LILRB4-359C    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Product Overview | Recombinant Cynomolgus monkey LILRB4 protein with His tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Species          | Cynomolgus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ProteinLength    | 448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Description      | <p>This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. The receptor can also function in antigen capture and presentation. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene.</p> |
| Form             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Molecular Mass   | 28 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>    | MTPPLTVLFCLGLSLGPRTCQAGPLPKPTVWAEPGSVISWGSPTIWCQGTLDQAQ<br>EYHLDKEGSPAPWDTQNPLEPRNKAKFSIPSMQHYAGRYRCYYHSHPDWSESD<br>PLDLVMTGAYSKPILSVLPSPVLTSGESVTLLCQSQSPMDTFLLFKEGAAHPLPRLRS<br>QHGAQLHWAEEFPMGPVTSVHGGTYRCISSRSFSHYLLSRSPDPVELTVLGSLES<br>PSPTRSISAAAGPEDQSLMPTGSDPQSGLRRHWEVLIGVLVVSILLLSLVFFLLQHW<br>RQGKHRTSAQRQADFQRPPGAAEPEPKDGGGLQRRSRPAADVQGENPNAAMKDTQ<br>PEDGVELDSRQRPHDEDPQAVTYARVKHSGPRREMASPPSPLSEEFLDTKDTQAE<br>EDRQMDTQAATSEAPQDVTYAQLQSLTLRREATEPPPPQKREPSAEPSVYATLAIH |
| <b>Purity</b>         | > 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>   | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>      | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).<br>After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18<br>centigrade for future use.                                                                                                                                                                                                                                                                             |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted<br>stock further in other aqueous solutions if needed. Please review COA for lot-specific<br>instructions. Final measurements should be determined by the end-user for optimal<br>performance.                                                                                                                                                                                                     |

## GENE INFORMATION

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|------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b> | LILRB4 leukocyte immunoglobulin like receptor B4 [ <i>Macaca mulatta</i> (Rhesus |
|------------------|----------------------------------------------------------------------------------|

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | monkey) ]                                                                                                                                                                             |
| <b>Official Symbol</b> | LILRB4                                                                                                                                                                                |
| <b>Synonyms</b>        | LILRB4; leukocyte immunoglobulin like receptor B4; LILRBC; leukocyte immunoglobulin-like receptor subfamily B member 4; leukocyte immunoglobulin-like receptor, subfamily B, member c |
| <b>Gene ID</b>         | 692336                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_001040676                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_001035766                                                                                                                                                                          |
| <b>UniProt ID</b>      | Q1I0P5                                                                                                                                                                                |

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