

## Active Recombinant Human HLA-G complex Protein (tetramer), His-Avi-tagged, PE-Labeled

**Cat. No.** HLA-G-505HP    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant PE-Labeled Human HLA-G Tetramer Protein(P17693-1(HLA-G)&P61769(B2M)&RIIPRHLQL)(Gly25-Thr305(HLA-G),Ile21-Met119(B2M) and RIIPRHLQL peptide) is expressed from Expi293 with His tag and Avi tag at the C-terminal,tetramer is assembled by biotinylated monomer and streptavidin. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Gly25-Thr305(HLA-G),Ile21-Met119(B2M) and RIIPRHLQL peptide                                                                                                                                                                                                                                  |
| <b>Form</b>             | Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.                                                                                                                  |
| <b>Bio-activity</b>     | Serial dilutions of Anti-LILRB2 Antibody were added into PE-Labeled Human HLA-G Tetramer, His Tag : Human LILRB2, mFc Tag binding reactions. The half maximal inhibitory concentration (IC50) is 0.45µg/ml.                                                                                  |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.                                                                                                                         |
| <b>Endotoxin</b>        | Less than 1EU per                                                                                                                                                                                                                                                                            |

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|                       |                                                                                                                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | µg by the LAL method.                                                                                                                                                                                                                                                                         |
| <b>Purity</b>         | > 95% as determined by Tris-Bis PAGE                                                                                                                                                                                                                                                          |
| <b>Storage</b>        | Valid for 12 months from date of receipt when stored at -80°C.<br>Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.                                                                                                    |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HLA-G major histocompatibility complex, class I, G [ Homo sapiens ]                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | HLA-G                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | HLA-G; major histocompatibility complex, class I, G; HLA G histocompatibility antigen, class I, G; HLA class I histocompatibility antigen, alpha chain G; b2 microglobulin; HLA G antigen; HLA class I molecule; MHC class I antigen G; HLA-G histocompatibility antigen, class I, G; MHC-G; |
| <b>Gene ID</b>         | 3135                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_002127                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_002118                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | 142871                                                                                                                                                                                                                                                                                       |

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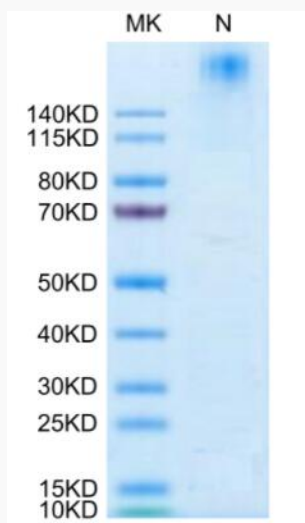
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UniProt ID

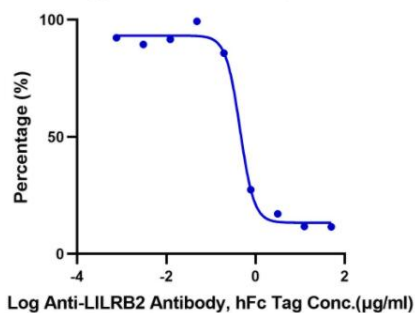
P17693

Tris-Bis PAGE



Blocking Data

Inhibition of Human LILRB2 and PE-Labeled HLA-G Binding  
0.2µg Human LILRB2, mFc Tag Per Well



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