

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	Gly25-Thr305(HLA-G),Ile21-Met119(B2M) and RIIPRHLQL peptide
Form	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.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 1EU per

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	µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.
Reconstitution	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

Gene Name	HLA-G major histocompatibility complex, class I, G [Homo sapiens]
Official Symbol	HLA-G
Synonyms	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;
Gene ID	3135
mRNA Refseq	NM_002127
Protein Refseq	NP_002118
MIM	142871

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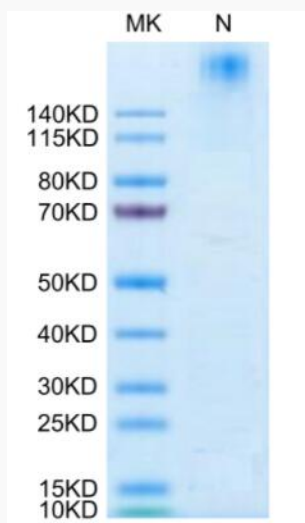
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UniProt ID

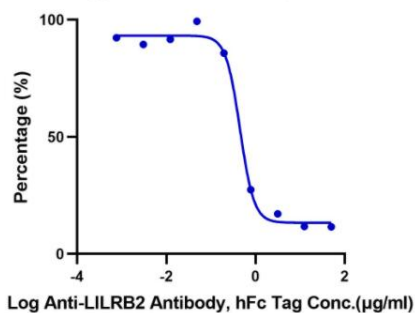
P17693

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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