

HLA-G recombinant protein

HLA-G peptide complex Tetramer

CATALOG #	HOST
AAA76365	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

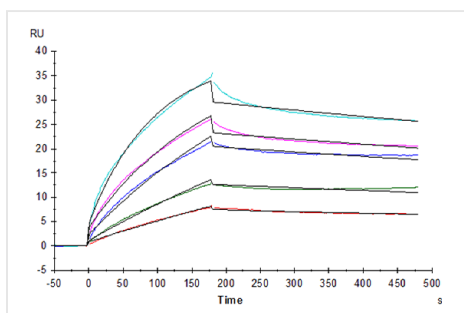
PRODUCT SYNONYMS

HLA-G; HLA-G peptide complex Tetramer; HLA-G recombinant protein

PRODUCT SPECIFICATIONS

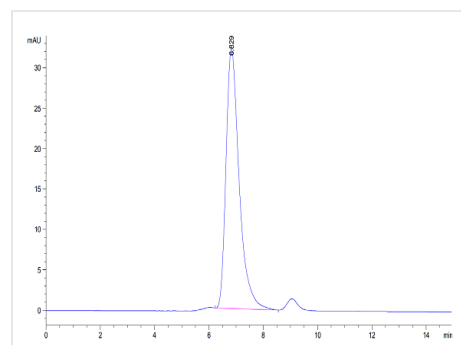
Host	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	purity was determined to be >95% by non reducing PAGE and HPLC
Form/Format	Recombinant HLA-G/RIIPRHLQL Tetramer was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding the Human (HLA-G AA25-305 [accession# P17693] and the B2M protein AA2-119 [accession# P61769], fused to the RIIPRHLQL peptide. This complex includes a C terminal polyHis AVI tag and was expressed in HEK cells, The tetramer conformation was achieved through biotinylation of the monomer and then covalently binding the monomers via an avidin biotin reaction.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



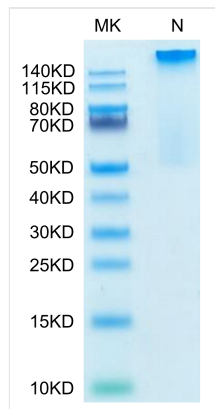
Application Data

HLA-G RIIPRHLQL peptide complex tetramer SPRSPR image shows curve for HLA-G tetramer and immobilized Human LILRB2 binding, with a calculated affinity constant of 4.6nM



Application Data

HLA-G RIIPRHLQL peptide complex Tetramer HPLC The purity of HLA-G RIIPRHLQL peptide complex Tetramer was greater than 95% as determined by SEC-HPLC.



SDS-PAGE

HLA-G RIIPRHLQL peptide complex Tetramer PAGE1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for HLA-G recombinant protein	MHC peptide complexes
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Recombinant HLA-G/RIIPRHLQL Tetramer has a calculated mass of approximately 250kDa. Due to glycosylation migrates as an approximately 260 kDa protein under reducing conditions in SDS-PAGE.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/hla-g-recombinant-protein-hek-cells/76365>