

## Recombinant Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein,His-Avi Tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein,His-Avi Tag	93021ES25	25 µg
	93021ES60	100 µg
	93021ES76	500 µg

### 性能参数

蛋白别名 (Synonyms)	sHLA-G; b2 microglobulin; HLA G; HLAG; HLA-G; MHC Class I Antigen G;
表达系统及表达区间 (Source)	Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus,tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-G),Ile21-Met119(B2M) and RIIPRHLQL peptide.[Accession   P17693-1(HLA-G)&P61769(B2M)&RIIPRHLQL]
分子量 (Molecular Weight)	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 SDS-PAGE result.
内毒素 (Endotoxin)	< 1EU per µg by the LAL method.
活性 (Activity)	<p><b>Blocking Data:</b> Serial dilutions of Anti-LILRB2 Antibody were added into Human HLA-G&amp;B2M&amp;Peptide (RIIPRHLQL) Tetramer, His Tag : Human LILRB2, mFc Tag binding reactions. The half maximal inhibitory concentration (IC50) is 0.11µg/ml.</p> <p><b>ELISA Data:</b> Immobilized Human HLA-G&amp;B2M&amp;Peptide (RIIPRHLQL) Tetramer, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-G Antibody, hFc Tag with the EC50 of 9.3ng/ml determined by ELISA.</p> <p><b>SPR Data:</b> Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Human HLA-G&amp;B2M&amp;Peptide (RIIPRHLQL) Tetramer with an affinity constant of 4.62 nM as determined in SPR assay .Human HLA-G&amp;B2M&amp;Peptide (RIIPRHLQL) Tetramer, His Tag immobilized on CM5 Chip can bind Human LILRB2 Domain1&amp;2, His Tag with an affinity constant of 6.5µM as determined in a SPR assay .</p>
纯度 (Purity)	> 95% as determined by SDS-PAGE and by HPLC.
制剂 (Formulation)	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8%

	trehalose is added as protectant before lyophilization.
复溶方法 (Reconstitution)	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

### 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2 ~ 8 °C under sterile conditions after reconstitution.

3-6 months, -85~-65°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### 注意事项

1. Please operate with lab coats and disposable gloves,for your safety.
2. This product is for research use only.