Ver. CN20231221

Recombinant Biotinylated 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 Biotinylated Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein,His-Avi Tag	93020ES25	25 μg
	93020ES60	100 μg
	93020ES76	500 μg

性能参数

蛋白别名（Synonyms）	sHLA-G; HLA G; HLAG; HLA-G;
表达系统及表达区间（Source）	Biotinylated 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）	**Blocking Data:** Serial dilutions of Anti-LILRB2 Antibody were added into Biotinylated Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag: Human LILRB2, mFc Tag binding reactioins. The half maximal inhibitiory concentration (IC50) is 0.29μg/ml. **ELISA Data:** Immobilized Anti-HLA-G Antibody, hFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag with the EC50 of 19.9ng/ml determined by ELISA. **SPR Data:** Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His-Avi Tag with an affinity constant of 4.38 nM as determined in SPR assay .
纯度（Purity）	> 95% as determined by SDS-PAGE.
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.