Recombinant Human HLA-A&B2M protein, His-Avi-tagged, Biotinylated

Cat. No. HLA-A&B2M-1564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human HLA-A&B2M protein(NP_002107.3(HLA-A*03:01)&P61769(B2M)&VVGAVGVGK)(Gly25-Thr305(HLA-A*03:01), Ile21-Met119(B2M)and VVVGAVGVGK peptide), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gly25-Thr305(HLA-A*03:01), Ile21-Met119(B2M)and VVVGAVGVGK peptide
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK) Monomer, His Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK) Antibody, hFc Tag with the EC50 of 0.29μg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 50.2 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result.

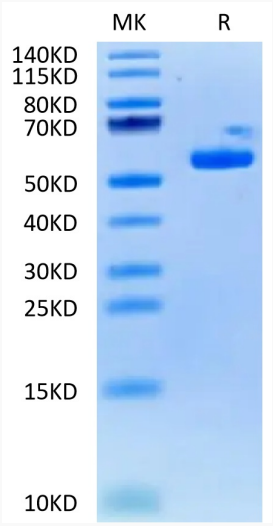
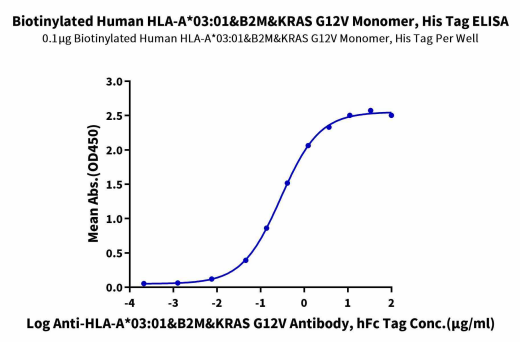
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Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin

GENE INFORMATION

Gene Name	HLA-A major histocompatibility complex, class I, A [Homo sapiens]
Official Symbol	HLA-A
Synonyms	HLA-A; major histocompatibility complex, class I, A; HLA class I histocompatibility antigen, A-1 alpha chain; antigen presenting molecule; leukocyte antigen class I-A; MHC class I antigen HLA-A heavy chain; HLAA; FLJ26655;
Gene ID	3105
mRNA Refseq	NM_001242758
Protein Refseq	NP_001229687
UniProt ID	P01891

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Tris-Bis PAGE	
ELISA	

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