

Human HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK) Monomer Protein



Cat. No. MHC-HM455

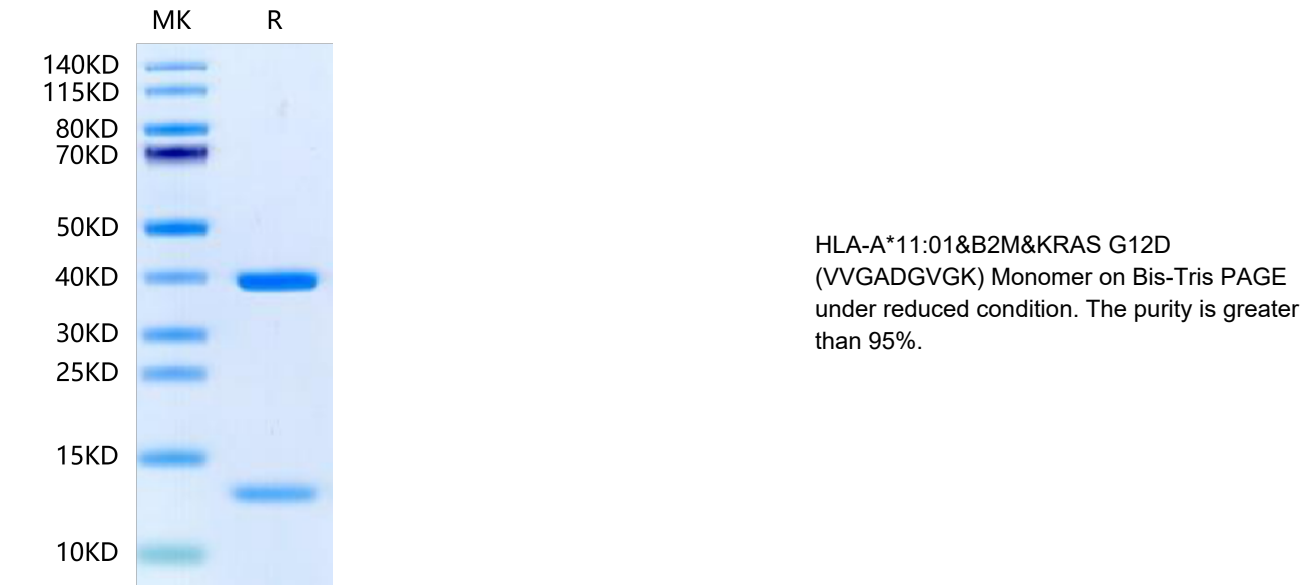
Description	
Source	Recombinant Human HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK) Monomer Protein is expressed from E.coli with with His tag and Avi tag at the C-Terminus. It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and VVGADGVGK peptide.
Accession	AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVGADGVGK
Molecular Weight	The protein has a predicted MW of 35.36 kDa (HLA-A*11:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
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 minimize freeze-thaw cycles.

Background	
Kirsten rat sarcoma 2 viral oncogene homolog (KRAS) is the most commonly mutated oncogene in human cancer. The developments of many cancers depend on sustained expression and signaling of KRAS, which makes KRAS a high-priority therapeutic target. The virtual screening approach to discover novel KRAS inhibitors and synthetic lethality interactors of KRAS are discussed in detail.	

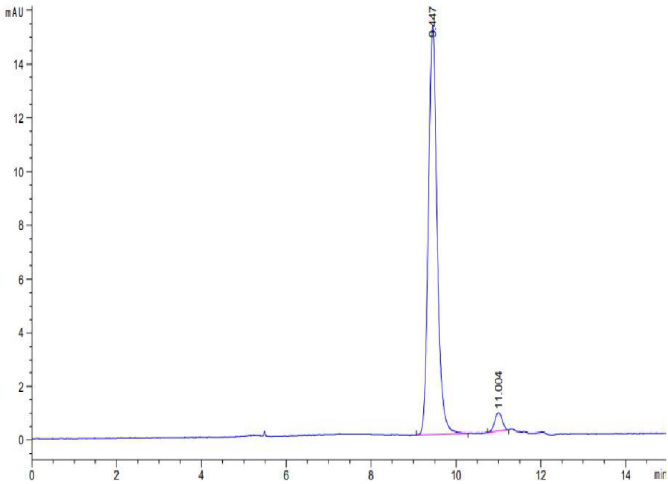
Assay Data

Bis-Tris PAGE



SEC-HPLC

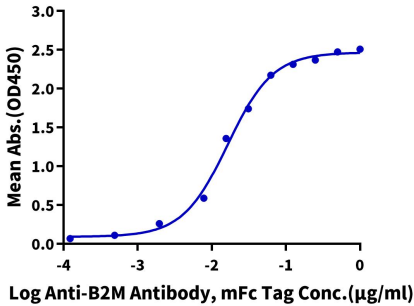
Assay Data



The purity of HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK) Monomer is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK) Monomer, His Tag ELISA
0.05µg Human HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK) Monomer, His Tag Per Well



Immobilized Human HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK) Monomer, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 16.4ng/ml determined by ELISA (QC Test).