Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer Protein

Catalog # NYESO1-HP004 Form: Lyophilized

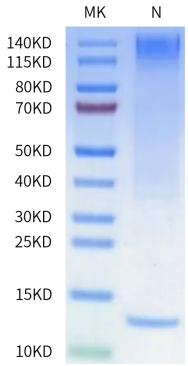
Product Details

Product description	Recombinant Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus,tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and SLLMWITQC peptide (accession: A0A140T913(HLA-A*02:01) & P61769(B2M) &SLLMWITQC).
Molecular aliases	MHC; MY-ESO-1; CT6.1; LAGE-2; CTAG1; CTAG1B; ESO1CTAG; LAGE2A; NY-ESO-1; CTAG1A
Expression system	E. coli
Molecular weight	The protein has a predicted MW of 258 kDa. The protein migrates to 120-180 kDa (HLA-A*02:01&streptavidin tetramer) and 11.9 kDa (B2M) based on Bis-Tris PAGE result under Non reduced (N) condition.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer on Bis-Tris PAGE under Non reduced (N) condition. The purity is greater than 95%.