



A*02:01 human β 2m CLGGLTMV Tetramer

Product description: A*02:01 (36,4kDa) is refolded with human β 2m (11,7kDa) and peptide CLGGLTMV (EBV LMP-2 426-434) <https://www.iedb.org/epitope/6568>. Upon refolding, the complex is captured and subjected to gel filtration. Final product is analyzed by ELISA using a conformational antibody. SDS-PAGE gel shows final product is 100% biotinylation.

Batch no: RF173 A*02:01 with human β 2m

Epitope summary: CLGGLTMV is a linear peptidic epitope (epitope ID 6568) studied as part of Latent membrane protein 2 from Human herpesvirus 4 (Epstein Barr virus). This epitope has been studied for immune reactivity in 89 publication(s), tested in 195 T cell assays, 11 B cell assays, 33 MHC ligand assays and has 3D structure(s) 3REW.

Buffer: PBS, 50% Glucerosol

Concentration: 0.5mg/ml – Determined by Nanodrop (280nm) and Coomassie staining

Size: 1 vial with 100 μ l product

Physical state: Liquid

Stabilizers: 1% BSA

Preservatives: None

Storage Conditions: Store vial at -20° C prior to opening. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.

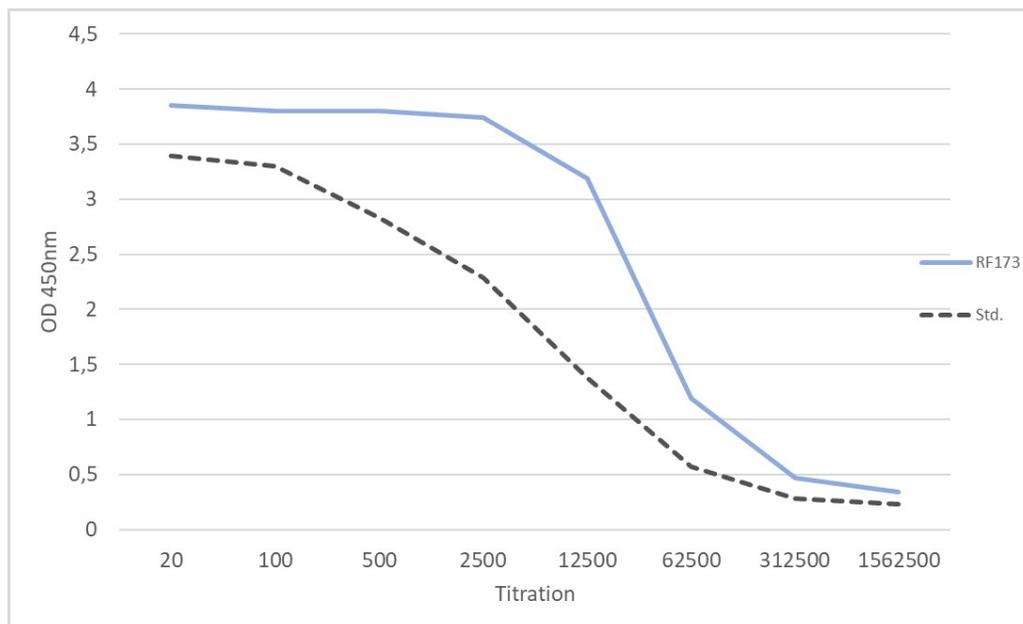


Fig. 1: ELISA of final product of A*02:01 human β 2m complex with EBV LMP-2 426-434 peptide and a standard curve for A*02:01 human β 2m complexes. Sample is tested in dilutions 1/20, 1/100, 1/500, 1/2500, 1/12500, 1/62500, 1/312500 and 1/1562500

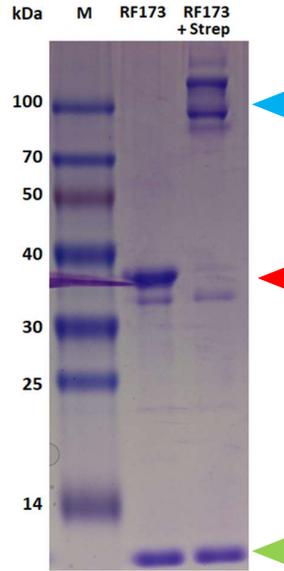


Fig 2: Coomassie staining shows detection of the A*02:01 subunit at 36,4kDa (red arrow), human β 2m subunit at 11,7kDa (green arrow) and A*02:01 + streptavidin (blue arrow). Purity by gel densitometry is set to be above 95%. Biotinylation is confirmed by gel shift assay with streptavidin and is above 95%. Ladder used is Blue Plus Protein Marker (cat no: DM101-01) from Transgen Biotech.

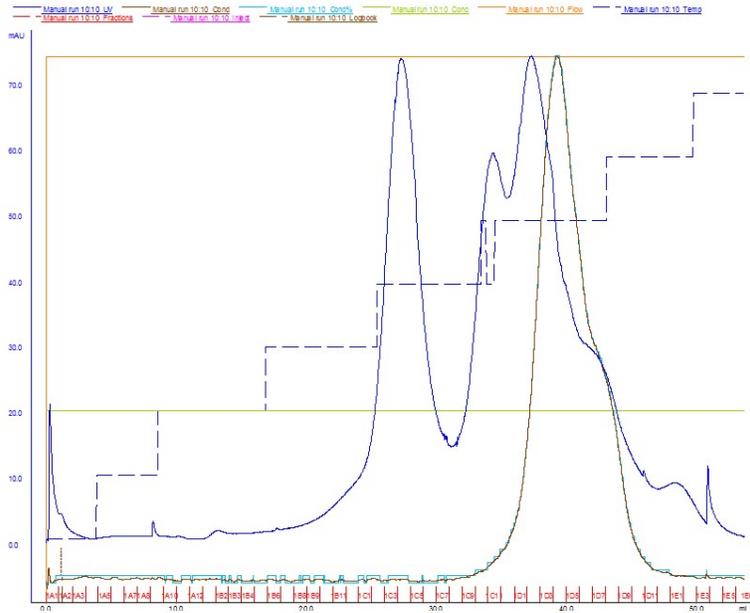


Fig. 3: Chromatogram of the gel filtration of A*02:01 human β 2m complex after purification.

User restriction: Not for clinical use. Reagents are for research purpose only –not for use in diagnostic procedures or test on human.

Manufactured: by Immunitrack. Made in Denmark.