

Cat. No. MHC-HM472AF6

### Description

<b>Source</b>	Recombinant AF647-Labeled Human HLA-A*11:01&B2M&MATN2 (KTLTSVFQK) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305 (HLA-A*11:01), Ile21-Met119 (B2M) and KTLTSVFQK peptide.
<b>Accession</b>	AAV53343.1(HLA-A*11:01)&P61769(B2M)&KTLTSVFQK
<b>Molecular Weight</b>	The protein has a predicted MW of 50.50 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

### Formulation and Storage

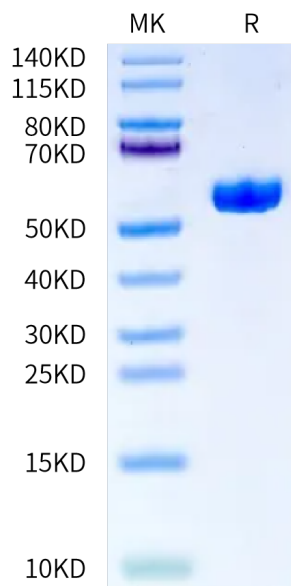
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

The matrilins represent a new family of oligomeric proteins that are assumed to act as adapter molecules connecting other proteins and proteoglycans in the extracellular matrix. Matrilin-2, the largest member of the family, is a widely distributed, oligomeric extracellular matrix protein. It incorporates into loose and dense connective tissue and forms a filamentous network by binding to a variety of different extracellular matrix proteins.

### Assay Data

#### Bis-Tris PAGE



AF647-Labeled Human HLA-A\*11:01&B2M&MATN2 (KTLTSVFQK) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.