

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

**Cat. No.** HLA-A&B2M-1552H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant Human HLA-A&B2M protein(AAA03604.1(HLA-A*02:03)&P61769(B2M)&FMNKFIYEI)(Gly25-Thr305(HLA-A*02:03),Ile21-Met119(B2M)and FMNKFIYEI peptide), fused with C-terminal His and Avi tag, was expressed in HEK293. |
| <b>Species</b>           | Human                                                                                                                                                                                                                              |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                             |
| <b>ProteinLength</b>     | Gly25-Thr305(HLA-A*02:03),Ile21-Met119(B2M)and FMNKFIYEI peptide                                                                                                                                                                   |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                             |
| <b>Form</b>              | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                                     |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.                                                               |
| <b>Endotoxin</b>         | Less than 1EU per µg by the LAL method.                                                                                                                                                                                            |
| <b>Purity</b>            | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                                                                   |

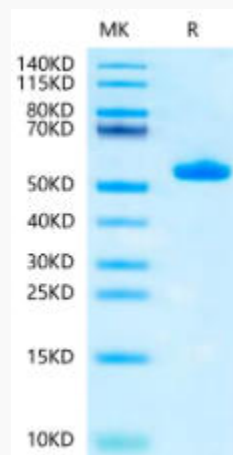
 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

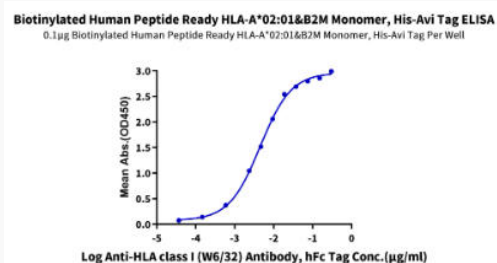
 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | 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.                                                                                       |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                    |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                |
| <b>Gene Name</b>        | HLA-A major histocompatibility complex, class I, A [ Homo sapiens ]                                                                                                                                                            |
| <b>Official Symbol</b>  | HLA-A                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 3105                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_001242758                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_001229687                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | P01891                                                                                                                                                                                                                         |

## Tris-Bis PAGE



## SEC-HPLC



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