# Mouse B7-H3 (2Ig) /CD276 Protein

**Cat. No.** BH7-MM173

## Description

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| **Source** | Recombinant Mouse B7-H3 (2Ig) /CD276 Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Val29-Ala248. |
| **Accession** | Q8VE98 |
| **Molecular Weight** | The protein has a predicted MW of 24.98 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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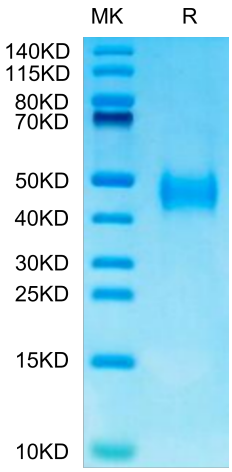
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **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. |

## Background

B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers.B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2IgB7H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.

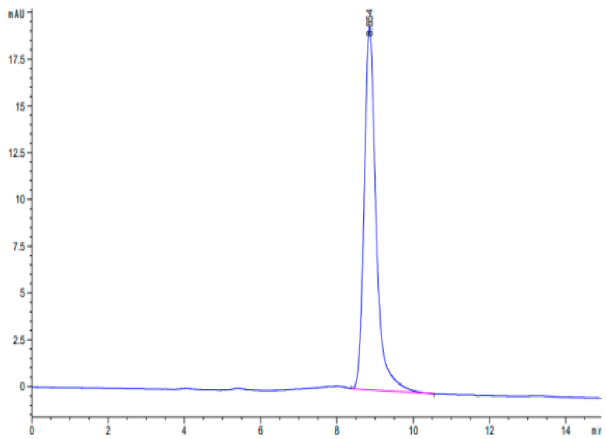
## Assay Data

### Bis-Tris PAGE




Mouse B7-H3 (2Ig) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC




The purity of Mouse B7-H3 (2Ig) is greater than 95% as determined by SEC-HPLC.