

## Recombinant Human CD1B & B2M protein(Met1-Ser303 & Met1-Met119), His-tagged

**Cat. No.** CD1B & B2M-249H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD1B & B2M protein(NP_001755.1 & P61769)(Met1-Ser303 & Met1-Met119), fused with C-terminal His tag, was expressed in HEK293.                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Met1-Ser303 & Met1-Met119                                                                                                                                                                                                                                                                     |
| <b>similar</b>          | CD1B; B2M                                                                                                                                                                                                                                                                                     |
| <b>Alias</b>            | CD1B; B2M                                                                                                                                                                                                                                                                                     |
| <b>Conjugate</b>        | C-His                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                |
| <b>Bioactivity</b>      |                                                                                                                                                                                                                                                                                               |
| <b>MolecularMass</b>    | The recombinant heterodimer of human CD1B/B2M comprises 397 (297+100) amino acids and has a calculated molecular mass of 44.7 (33.0+ 11.7) KDa. The apparent molecular mass of rh CD1B/B2M heterodimer is approximately 39.6 and 13.1 KDa respectively in SDS-PAGE under reducing conditions. |

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|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>             | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                  |
| <b>Purity</b>                | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>               | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>        | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |
| <b>GeneName</b>              |                                                                                                                                                                                                                                                 |
| <b>GeneNameWeblink</b>       |                                                                                                                                                                                                                                                 |
| <b>OfficialSymbol</b>        | CD1B; B2M                                                                                                                                                                                                                                       |
| <b>OfficialSymbolWeblink</b> |                                                                                                                                                                                                                                                 |
| <b>GenelD</b>                |                                                                                                                                                                                                                                                 |
| <b>GenelDWeblink</b>         |                                                                                                                                                                                                                                                 |
| <b>mRNARefseq</b>            |                                                                                                                                                                                                                                                 |
| <b>mRNARefseqWeblink</b>     |                                                                                                                                                                                                                                                 |
| <b>ProteinRefseqWeblink</b>  |                                                                                                                                                                                                                                                 |
| <b>MIMWeblink</b>            |                                                                                                                                                                                                                                                 |
| <b>UniProtID</b>             |                                                                                                                                                                                                                                                 |
| <b>UniProtIDWeblink</b>      |                                                                                                                                                                                                                                                 |

## GENE INFORMATION

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|----------|--|
| Synonyms |  |
| MIM      |  |

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