

Biotinylated Human CD96/TACTILE Protein



Cat. No. CD9-HM496B

Description

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|-------------------------|---|
| Source | Recombinant Biotinylated Human CD96/TACTILE Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Val22-Met503. |
| Accession | P40200-2 |
| Molecular Weight | The protein has a predicted MW of 59.1 kDa. Due to glycosylation, the protein migrates to 115-140 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE |

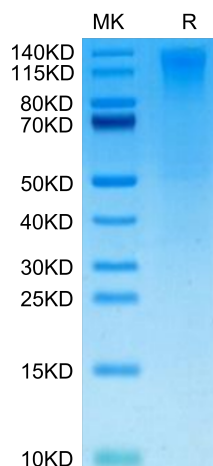
Formulation and Storage

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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. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, with Cd96^{-/-} mice displaying hypersensitive NK-cell responses to immune challenge and significant tumor resistance. The counterbalance between the putative inhibitory CD96 and TIGIT receptors and the activating receptor, CD226, offers unique strategies for immuno-oncology drug development.

Assay Data



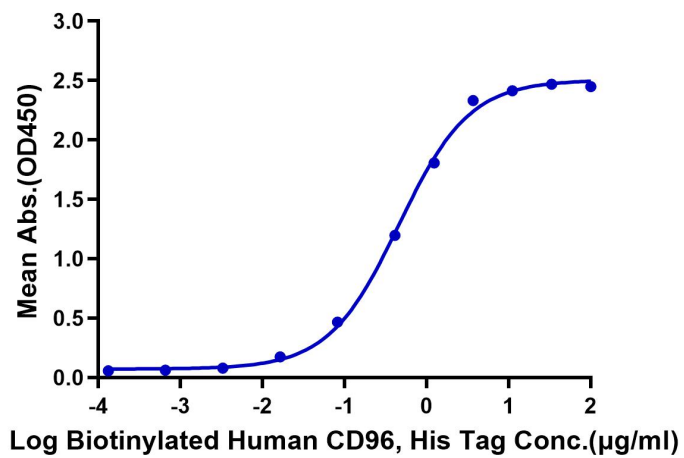
Biotinylated Human CD96 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Biotinylated Human CD96, His Tag ELISA

0.1µg Anti-CD96 Antibody, hFc Tag Per Well



Immobilized Anti-CD96 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD96, His Tag with the EC50 of 0.46µg/ml determined by ELISA.