

## PRODUCT INFORMATION

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| <b>Target</b>                           | CD166  |
| <b>Synonyms</b>                         | CD166;MEMD   |
| <b>Description</b>                      | Recombinant human CD166 protein with C-terminal 6×His tag  |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | Q13740   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-6×His Tag  |
| <b>Molecular Characterization</b>       | CD166(Trp28-Ala526) 6×His tag  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 56.8 kDa after removal of the signal peptide. The apparent molecular mass of CD166-His is approximately 55-100 kDa due to glycosylation.   |
| <b>Purity</b>                           | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage&amp;Shipping</b>             | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  |
| <b>Background</b>                       | This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigen CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Aug 2011] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |



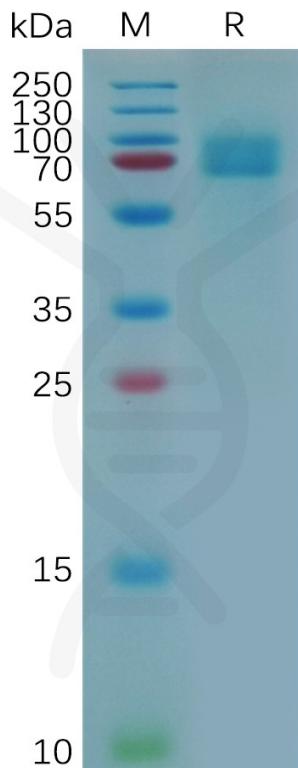


Figure 1. Human CD166 Protein, His Tag on SDS-PAGE under reducing condition.

