

## PRODUCT INFORMATION

|   |   |
|---|---|
| <b>Target</b>                           | CLEC2D  |
| <b>Synonyms</b>                         | CLAX;LLT1;OCIL  |
| <b>Description</b>                      | Recombinant Human CLEC2D Protein with N-terminal human Fc tag   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | Q9UHP7  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | N-Human Fc Tag  |
| <b>Molecular Characterization</b>       | hFc(Glu99-Ala330) CLEC2D(Arg60-Val191)  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 41.5 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CLEC2D is approximately 35-55 kDa due to glycosylation.  |
| <b>Purity</b>                           | The purity of the protein is greater than 90% 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 a member of the natural killer cell receptor C-type lectin family. The encoded protein inhibits osteoclast formation and contains a transmembrane domain near the N-terminus as well as the C-type lectin-like extracellular domain. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Oct 2010] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



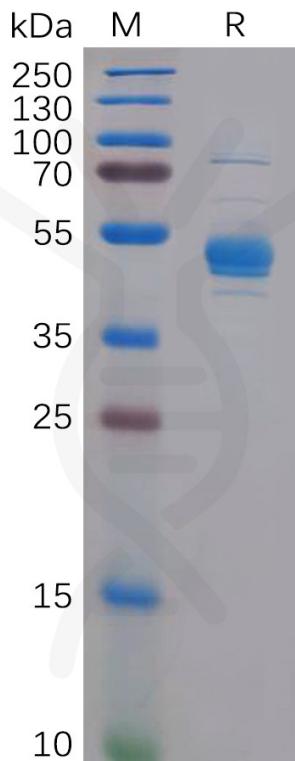
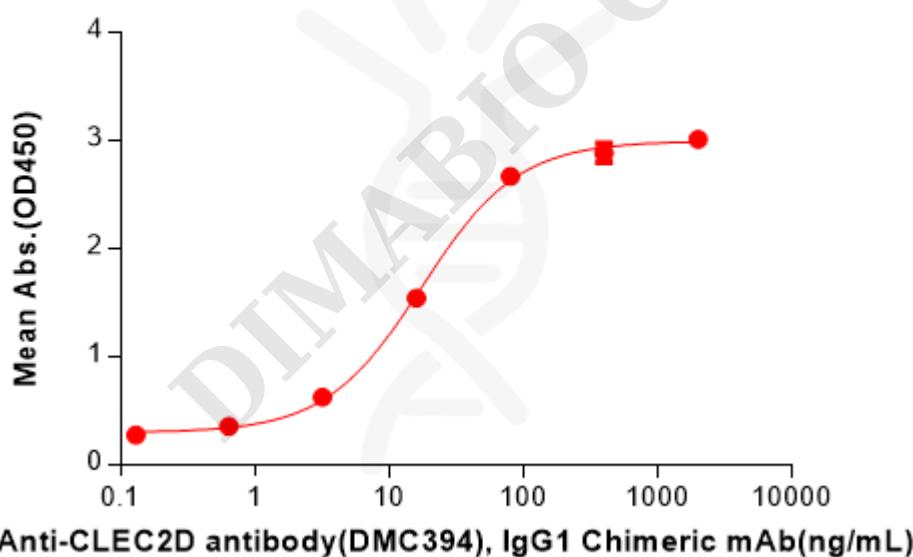


Figure 1. Human CLEC2D Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CLEC2D, hFc Tagged protein ELISA

0.2  $\mu$ g of Human CLEC2D, hFc tagged protein per well

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CLEC2D Protein, hFc Tag(PME100832) can bind Anti-CLEC2D antibody(DMC394), IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.