

# Recombinant Mouse Cd160 Protein, C-hFc-tagged

## Product Information

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| <b>Cat</b>                  | IMP-1586   |
| <b>Official Symbol</b>      | Cd160  |
| <b>Product Overview</b>     | Recombinant mouse Cd160 (NP_061237.3) (Met1-Leu159) was expressed with the Fc region of human IgG1 at the C-terminus.  |
| <b>Description</b>          | CD16 antigen, also known as Natural killer cell receptor BY55 and CD16, is a cell membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. CD16 is a GPI-anchored lymphocyte surface receptor in which expression is mostly restricted to the highly cytotoxic CD56(dim)CD16(+) peripheral blood NK subset. CD16 is a receptor showing broad specificity for both classical and non-classical MHC class I molecules. CD16 is expressed in spleen, peripheral blood, and small intestine. Expression of CD16 is restricted to functional NK and T cytotoxic lymphocytes. CD16 acts as a co-activator receptor for CD3-induced proliferation of CD4+ CD16+ T cells isolated from inflammatory skin lesions. Unique CD4+ CD16+ lymphocyte subset may play a role in the pathogenesis of skin inflammation. Activated NK lymphocytes release a soluble form of CD16 that functionally impairs the MHC-I-specific cytotoxic CD8(+) T lymphocyte responsiveness. |
| <b>Expression System</b>    | HEK293   |
| <b>Species</b>              | Mouse  |
| <b>Tag</b>                  | C-hFc  |
| <b>Predicted N Terminal</b> | Gly 28   |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.  |
| <b>Molecular Mass</b>       | The recombinant mouse Cd160 consists 373 amino acids and predicts a molecular mass of 41.9 kDa.  |
| <b>Protein length</b>       | Met1-Leu159  |
| <b>Endotoxin</b>            | < 1.0 EU/μg 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 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  |
| <b>Reconstitution</b>       | A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.  |

**SDS-PAGE**

