

Recombinant Mouse Cd160 Protein, C-hFc-tagged

Product Information

Cat	IMP-1586
Official Symbol	Cd160
Product Overview	Recombinant mouse Cd160 (NP_061237.3) (Met1-Leu159) was expressed with the Fc region of human IgG1 at the C-terminus.
Description	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.
Expression System	HEK293
Species	Mouse
Tag	C-hFc
Predicted N Terminal	Gly 28
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant mouse Cd160 consists 373 amino acids and predicts a molecular mass of 41.9 kDa.
Protein length	Met1-Leu159
Endotoxin	< 1.0 EU/μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	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.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

SDS-PAGE

