

Recombinant Cynomolgus CD160, His-tagged

Cat. No. CD160-114C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the cynomolgus CD160 (Met1-Leu158) was expressed with a polyhistidine tag at the C-terminus.
Species	Cynomolgus
Source	Human Cells
ProteinLength	1-158 a.a.
Description	CD160 antigen, also known as Natural killer cell receptor BY55 and CD160, is a cell membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. CD160 is a GPI-anchored lymphocyte surface receptor in which expression is mostly restricted to the highly cytotoxic CD56(dim)CD16(+) peripheral blood NK subset. CD160 is a receptor showing broad specificity for both classical and non-classical MHC class I molecules. CD160 is expressed in spleen, peripheral blood, and small intestine. Expression of CD160 is restricted to functional NK and T cytotoxic lymphocytes. CD160 acts as a co-activator receptor for CD3-induced proliferation of CD4+ CD160+ T cells isolated from inflammatory skin lesions. Unique CD4+ CD160+ lymphocyte subset may play a role in the pathogenesis of skin inflammation. Activated NK lymphocytes release a soluble form of CD160 that functionally impairs the MHC-I-specific cytotoxic CD8(+) T lymphocyte responsiveness.
Predicted N Terminal	Gly 25
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are

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added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Molecular Mass

The recombinant cynomolgus CD160 comprises 145 amino acids and has a calculated molecular mass of 16.3 KDa. The apparent molecular mass of it is approximately 25 and 22 KDa respectively in SDS-PAGE.

Endotoxin

< 1.0 eu per ug of the protein as determined by the lal

Purity

(70+22.5)% as determined by SDS-PAGE

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Storage

Store it under sterile conditions at -70°C. 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.

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