

# Recombinant Monkey CD160 Protein, His-tagged, FITC conjugated

Cat. No. CD160-314RF Lot. No. (See product label)

## SPECIFICATION

### Product Overview

FITC conjugated recombinant Rhesus CD160 (XP\_001089019.1) (Met1-Leu158) was expressed with a polyhistidine tag at the C-terminus.

### Species

Monkey

### Source

HEK293

### ProteinLength

Met1-Leu158, 145

### 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 lymph centigradeyte 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 lymph centigradeytes. CD160 acts as a co-activator receptor for CD3-induced proliferation of CD4+ CD160+ T cells isolated from inflammatory skin lesions. Unique CD4+ CD160+ lymph centigradeyte subset may play a role in the pathogenesis of skin inflammation. Activated NK lymph centigradeytes release a soluble form of CD160 that functionally impairs the MHC-I-specific cytotoxic CD8(+) T lymph centigradeyte responsiveness.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	16.3 kDa
<b>N-terminal Sequence Analysis</b>	Gly 25
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	(70+22.5) % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -70 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>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	FITC

## GENE INFORMATION

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<b>Gene Name</b>	CD160 CD160 molecule [ <i>Macaca mulatta</i> (Rhesus monkey) ]
<b>Official Symbol</b>	CD160
<b>Synonyms</b>	CD160; CD160 molecule; CD160 antigen
<b>Gene ID</b>	696832
<b>mRNA Refseq</b>	XM_015150329
<b>Protein Refseq</b>	XP_015005815

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