For Research Use Only

CoraLite® Plus 647 Anti-Rat CD80 (3H5)

Catalog Number:CL647-65217

Basic Information

Catalog Number:
CL647-65217

Size:
100ug, 500 μg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
XM_017597885

GeneID (NCBI):
25408

UNIPROT ID:
G3V671

Full Name:
Cd80 molecule

Calculated MW:
36 kDa

Purification Method:
Protein G purification

CloneNo.:
3H5

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
Rat

Background Information

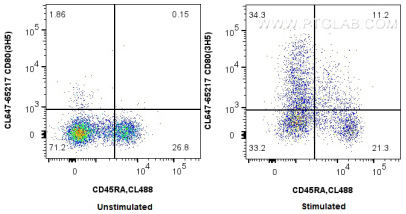
CD80 (also known as B7-1) is a type I membrane protein that is a member of the immunoglobulin superfamily, with an extracellular immunoglobulin constant-like domain and a variable-like domain required for receptor binding. It is expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, monocytes, and macrophages. CD80 is the receptor for the proteins CD28 and CTLA-4 found on the surface of T-cells. It is involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation. CD80 also acts as a cellular attachment receptor for adenovirus subgroup B. (PMID: 7545666; 12015893; 16920215)

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 unstimulated or LPS-stimulated rat splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Rat CD45RA (OX-33) and 0.5 ug CoraLite® Plus 647 Anti-Rat CD80 (CL647-65217, Clone: 3H5). Cells were not fixed.