

Anti-CD80 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA1365-1-Fluoro488

About CD80

Cluster of Differentiation 80 (also CD80 and B7-1) is a protein found on activated B cells and monocytes that provides a costimulatory signal necessary for T cell activation and survival. It is the ligand for two different proteins on the T cell surface: CD28 (for autoregulation and intercellular association) and CTLA-4 (for attenuation of regulation and cellular disassociation). CD80 works in tandem with CD86 to prime T cells. The CD80 genes encode B7-1 which are structurally similar members of the immunoglobulin superfamily expressed on a variety of hematopoietic cell types. Reeves et al. (1997) stated that B7-1 and B7-2 provide a costimulatory signal to T cells by interacting with CD28 and CTLA4.

Overview

Product Name	Anti-CD80 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O55202

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat CD80, different from the related mouse sequence by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 22728711, Du Hy, Dong Lh, Zhao Bj, Fu J, Wang Qq, Chen F, Ou L, Li N, Sun X, Tang Zm, Song Hf. Acta Pharmacol Sin. 2012 Aug;33(8):1047-54. Doi: 10.1038/Aps.2012.54. Epub 2012 Jun 25. Immunostimulatory And Anti-Neoplasm Effects Of A Novel Palindrome Cpg Olig...

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