

ARG20955 anti-CD80 antibody [1G10] (APC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	APC-conjugated Rat Monoclonal antibody [1G10] recognizes CD80
Tested Reactivity	Ms
Tested Application	BL, FACS
Specificity	Mouse CD80. The clone 1G10 blocks binding of CTLA-4 to CD80 but it does not block stimulation of T cells by natural antigen-presenting cells.
Host	Rat
Clonality	Monoclonal
Clone	1G10
Isotype	IgG2a, kappa
Target Name	CD80
Species	Mouse
Immunogen	Activated 5C2 cells
Conjugation	APC
Alternate Names	B7.1; CTLA-4 counter-receptor B7.1; CD28LG; T-lymphocyte activation antigen CD80; B7-1; CD28LG1; B7; LAB7; Activation B7-1 antigen; CD antigen CD80; BB1

Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	FACS	< 0.2 µg/10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

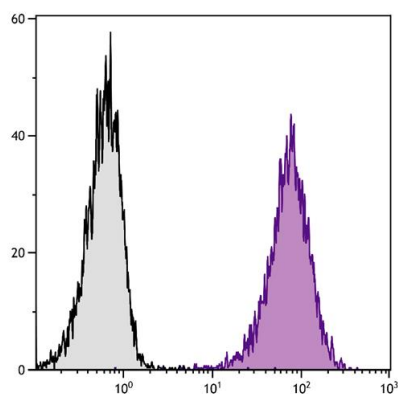
Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Database links	GeneID: 12519 Mouse Swiss-port # Q00609 Mouse
Gene Symbol	CD80
Gene Full Name	CD80 antigen
Background	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011]
Function	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. [UniProt]
Calculated Mw	33 kDa

Images



ARG20955 anti-CD80 antibody [1G10] (APC) FACS image

Flow Cytometry: DBA/2 Mouse mastocytoma cell line P815 (negative control) and mCD80-Ig transfected P815 cells stained with ARG20955 anti-CD80 antibody [1G10] (APC).