DATASHEET

PE labeled CD80 Mouse Monoclonal Antibody(ARA574)

CAT. NO. ARA6015

KEY FEATURES

Target	CD80	**Source/Host**	Mouse
Reactivity	Human	**Clonality**	Monoclonal
Applications	IF/ICC,FC	**Conjugation**	PE
Isotype	IgG1	**Storage**	4°C for one year. Do not freeze.

BACKGROUND

CD80 (CD80 molecule), also known as B7-1, 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, and plays a key role in T cell costimulation. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. It is expressed on antigen-presenting cells such as activated B cells, dendritic cells and macrophages.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IF/ICC	10 µl/assay
FC	10 µl/assay

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse monoclonal antibody PE labeled to CD80
Specificity	Recognizes human CD80
Antibody Type	Primary antibody
Immunogen	Native purified human CD80.
Purification	The antibody was purified by affinity chromatography.
Isotype	IgG1
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Alternative Names	CD28LG; CD28LG1; LAB7; B7-1; B7.1; T-lymphocyte activation antigen CD80; Activation B7-1 antigen
Gene Symbol	CD80
Entrez Gene	941(Human)
SwissProt	P33681(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DIRECTIONS FOR USE

1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light. 3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant. 5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant. 6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

STORAGE

Store at 4°C, DO NOT FREEZE. Stable for one year from the date of shipment.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com