DATASHEET

APC labeled CD83 Mouse Monoclonal Antibody(ARA575)

CAT. NO. ARA6016

KEY FEATURES

Target	CD83	**Source/Host**	Mouse
Reactivity	Human	**Clonality**	Monoclonal
Applications	IF/ICC,FC	**Conjugation**	APC
Isotype	IgG1 kappa	**Storage**	4°C for one year. Do not freeze.

BACKGROUND

CD83 (CD83 molecule) is a single-pass type I membrane protein and a member of the immunoglobulin superfamily. It is a well-established marker of mature dendritic cells and is involved in the regulation of antigen presentation. The soluble form of CD83 can bind to dendritic cells and inhibit their maturation, and CD83 has been shown to regulate immune responses in inflammatory disorders. Three transcript variants encoding different isoforms have been found for this gene.

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 APC labeled to CD83
Specificity	Recognizes human CD83
Antibody Type	Primary antibody
Immunogen	Native purified human CD83.
Purification	The antibody was purified by affinity chromatography.
Isotype	IgG1 kappa
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Alternative Names	CD83 antigen; hCD83; B-cell activation protein; Cell surface protein HB15; CD antigen CD83
Gene Symbol	CD83
Entrez Gene	9308(Human)
SwissProt	Q01151(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