DATASHEET

FITC labeled CD86 Rat Monoclonal Antibody

CAT. NO. ARA5818

KEY FEATURES

Target	CD86	**Source/Host**	Rat
Reactivity	Mouse	**Clonality**	Monoclonal
Applications	IF/ICC,FC	**Conjugation**	FITC
Isotype	IgG2a kappa	**Storage**	at 4°C

BACKGROUND

CD86, also known as B7-2 or CD28LG2, is a type I transmembrane glycoprotein of the immunoglobulin superfamily encoded by CD86. It is expressed on activated B cells, dendritic cells, monocytes and macrophages, where it provides a costimulatory signal through binding to CD28 on T cells and CTLA-4 on regulatory T cells. Together with T-cell receptor signalling, this costimulation is required for full T-cell activation, proliferation and cytokine production. CD86 is therefore widely used as an activation marker of antigen-presenting cells and as a target for modulating T-cell responses.

APPLICATION

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

IF/ICC	Assay-dependent
FC	10 µl/assay

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

OVERVIEW

Description	FITC labeled CD86 Rat Monoclonal Antibody for IF and FC.
Specificity	Recognizes mouse CD86.
Antibody Type	Primary antibody
Immunogen	LPS-activated CBA/Ca mouse splenic B cells.
Purification	The antibody was purified by affinity chromatography.
Isotype	IgG2a kappa
Form/Buffer	Liquid in PBS, pH 7.3, with 0.2% BSA and 0.02% sodium azide.
Alternative Names	CD28LG2, T-lymphocyte activation antigen CD86, Activation B7-2 antigen, B70, BU63, CTLA-4 counter-receptor B7.2, FUN-1, CD86
Gene Symbol	CD86
Entrez Gene	12524
SwissProt	P42082

*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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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