

Rat anti-Mouse CD86 Monoclonal Antibody | anti-CD86 antibody

Anti-Ms CD86 FITC

CATALOG # AAA128557	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD86; Monoclonal Antibody; Anti-Ms CD86 FITC; CD86 molecule; B7-2; FUN-1; Ly58; anti-CD86 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	GL-1
Specificity	The rat monoclonal antibody GL-1 reacts with an extracellular epitope of CD86 (B7-2), a 70-80 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	329
Applicable Applications for anti-CD86 antibody	FCM/FACS (Flow Cytometry)
Immunogen	LPS-activated CBA/Cs mouse splenic B cells
Conjugation	FITC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD86 antibody	CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1519311816
NCBI GeneID	12524
NCBI Accession #	NP_787058

NCBI GenBank Nucleotide #	NP_787058.5
UniProt Accession #	P42082
NCBI Official Full Name	T-lymphocyte activation antigen CD86 isoform 1
NCBI Official Synonym Full Names	CD86 antigen
NCBI Official Symbol	Cd86
NCBI Official Synonym Symbols	B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2
NCBI Protein Information	T-lymphocyte activation antigen CD86
UniProt Protein Name	T-lymphocyte activation antigen CD86
UniProt Gene Name	CD86
UniProt Synonym Gene Names	CD28LG2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd86-antibody-clone-gl-1-flow-cytometry-elisa/128557>