



Rat Anti-Mouse CD86 (B7-2) Monoclonal antibody, clone GL-1 (CABT-L4367)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The GL-1 monoclonal antibody reacts with mouse CD86 also known as B7-2. CD86 is an 80 kDa Ig superfamily member. CD86 is expressed by activated T and B cells, macrophages, and dendritic cells.
Target	Mouse CD86 (B7-2)
Immunogen	LPS-activated CBA/Ca mouse splenic B cells
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	GL-1
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo CD86 blockade, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The GL-1 monoclonal antibody reacts with mouse CD86 also known as B7-2. CD86 is an 80 kDa Ig superfamily member. CD86 is expressed by activated T and B cells, macrophages, and dendritic cells. This ligand binds to CD28 to provide a costimulatory signal necessary for T cell activation and survival, and cytokine production. Additionally, CD80 binds to CTLA-4 which inhibits T cells. This antibody has been shown to block CD86 in vivo and inhibit the priming of cytotoxic T cells.
Keywords	CD86;CD86 antigen;B7;B70;MB7;B7-2;B7.2;CLS1;Ly58;ETC-1;Ly-58;MB7-2;Cd28l2;TS/A-2;T-lymphocyte activation antigen CD86;activation B7-2 antigen;early T cell costimulatory molecule-1;early T-cell costimulatory molecule 1;

GENE INFORMATION

Official Symbol	CD86 antigen
Synonyms	CD86; CD86 antigen; B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2; T-lymphocyte activation antigen CD86; activation B7-2 antigen; early T cell costimulatory molecule-1; early T-cell costimulatory molecule 1;