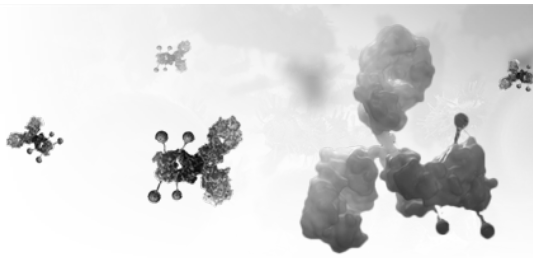

Rat Anti-Mouse CD80 (B7-1) Monoclonal antibody, clone 1G10 (CABT-L4426)

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

PRODUCT INFORMATION

Product Overview	The 1G10 monoclonal antibody reacts with mouse CD80 also known as B7-1. CD80 is a 60 kDa Ig superfamily member and is expressed by activated B cells and constitutively by monocytes and dendritic cells.
Target	Mouse CD80 (B7-1)
Immunogen	Dibutyryl cAMP-Activated 5C2 cells
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	1G10
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo CD80 blockade, Affinity chromatography
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

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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 1G10 monoclonal antibody reacts with mouse CD80 also known as B7-1. CD80 is a 60 kDa Ig superfamily member and is expressed by activated B cells and constitutively by monocytes 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 CD80 in vivo.
Keywords	CD80;CD80 antigen;B71;Ly53;TSA1;Cd28l;Ly-53;MIC17;T-lymphocyte activation antigen CD80;B7 protein;activation B7-1 antigen;

GENE INFORMATION

Official Symbol	CD80 antigen
Synonyms	CD80; CD80 antigen; B71; Ly53; TSA1; Cd28l; Ly-53; MIC17; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen;
References	Patel, J. M., et al. (2015). "Plasma membrane vesicles decorated with glycolipid-anchored antigens and adjuvants via protein transfer as an antigen delivery platform for inhibition of tumor growth." Biomaterials 74: 231-244. PubMed;

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