



Mouse Anti-Rat CD80 (B7-1) Monoclonal antibody, clone 3H5 (CABT-L4318)

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

PRODUCT INFORMATION

Product Overview	The 3H5 monoclonal antibody reacts with rat CD80 also known as B7-1.
Target	Rat CD80 (B7-1)
Immunogen	HTLV-1-transformed Lewis-S1 rat T cell line
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Rat
Clone	3H5
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro CD80 blockade, FC
Molecular Weight	150 kDa
Format	0.2 μ M 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
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Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
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Ship	Wet ice
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BACKGROUND

Introduction	The 3H5 monoclonal antibody reacts with rat 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. The 3H5 antibody has been shown to block CD80-mediated co-stimulation of rat T cells in vitro.
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Keywords	CD80;CD80 antigen;B71;Ly53;TSA1;Cd28l;Ly-53;MIC17;T-lymphocyte activation antigen CD80;B7 protein;activation B7-1 antigen;
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GENE INFORMATION

Official Symbol	CD80 antigen
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Synonyms	CD80; CD80 antigen; B71; Ly53; TSA1; Cd28l; Ly-53; MIC17; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen;
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References	Dolen, Y., et al. (2015). "Granulocytic subset of myeloid derived suppressor cells in rats with mammary carcinoma." Cell Immunol 295(1): 29-35. PubMed;
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