



# Armenian Hamster Anti-Mouse CD80 (B7-1) Monoclonal antibody, clone 16-10A1 (CABT-L4366)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	The 16-10A1 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.
<b>Target</b>	Mouse CD80 (B7-1)
<b>Immunogen</b>	CHO cell line transfected with mouse CD80
<b>Isotype</b>	IgG2
<b>Source/Host</b>	Armenian Hamster
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	16-10A1
<b>Purification</b>	Protein A purified. Purity>95%. Determined by SDS-PAGE
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	in vivo CD80 blockade, FC
<b>Molecular Weight</b>	150 kDa
<b>Format</b>	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
<b>Concentration</b>	Lot specific

<b>Size</b>	5 mg
<b>Buffer</b>	PBS, pH 8.0. 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-LB01
<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The 16-10A1 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.
<b>Keywords</b>	CD80;CD80 antigen;B71;Ly53;TSA1;Cd28I;Ly-53;MIC17;T-lymphocyte activation antigen CD80;B7 protein;activation B7-1 antigen;

## GENE INFORMATION

<b>Official Symbol</b>	CD80 antigen
<b>Synonyms</b>	CD80; CD80 antigen; B71; Ly53; TSA1; Cd28I; Ly-53; MIC17; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen;