



# Rabbit Anti-Human CD80 monoclonal antibody, clone KG21-5 (CABT-L900)

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

## PRODUCT INFORMATION

<b>Target</b>	CD80
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	KG21-5
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC
<b>Molecular Weight</b>	60 kDa
<b>Cellular Localization</b>	Membrane.
<b>Positive Control</b>	Human tonsil tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. The B7-related cell surface proteins CD80 (B7-1) and CD86 (B7-2) are expressed on antigen presenting cells, bind the homologous T cell receptors CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and CD28 and trigger costimulatory signals for optimal T cell activation. CTLA-4 shares 31% overall amino acid identity with CD28 and it has been proposed that CD28 and CTLA-4 are functionally redundant. SLAM is a novel receptor on T cells that, when engaged, potentiates T cell expansion in a CD28-independent manner. B7, also designated BB1, is another ligand or counterreceptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.
<b>Keywords</b>	Activation B7-1 antigen;B lymphocyte activation antigen B7;B7;B7-1;B7-1 antigen;B7.1;BB1;CD28 antigen ligand 1;CD28LG;CD28LG1;CD80;CD80 antigen (CD28 antigen ligand 1, B7-1 antigen);CD80 antigen;CD80 molecule;CD80_HUMAN;Costimulatory factor CD80;costimulatory molecule variant IgV-CD80;CTLA-4 counter-receptor B7.1;LAB7;T-lymphocyte activation antigen CD80 antibody

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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">941</a>
<b>UniProt ID</b>	<a href="#">A0N0P2</a>

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