



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

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

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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.

Keywords

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

GENE INFORMATION

Entrez Gene ID

[941](#)

UniProt ID

[A0N0P2](#)
