



## Mouse Anti-CD28 monoclonal Antibody, clone D665 (CABT-L1150)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant monoclonal antibody to CD28. Manufactured from the hybridoma D665.
<b>Specificity</b>	Recognises mouse CD28 and can trigger T-cell proliferation in vitro and in vivo.
<b>Target</b>	CD28
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	D665
<b>Purification</b>	Protein A affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	CoStim, Superagonism, Fc, SPR, IHC
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C

# BACKGROUND

**Introduction** CD28 is a major costimulatory molecule, expressed by most T cells including thymocyte subsets and peripheral T-cells but is absent on a subset of CD8+ve cells. Engagement of CD28 by its natural ligand, CD80 or CD86, provides a costimulatory signal which promotes T-cell effector function and T-cell-dependent antibody production. This antibody clone D665 is reported to act as a CD28 superagonist antibody, which induces antigen- independent T cell proliferation.

**Keywords** CD28;CD28 antigen;T-cell-specific surface glycoprotein CD28

# GENE INFORMATION

**Entrez Gene ID** [12487](#)

**UniProt ID** [P31041](#)