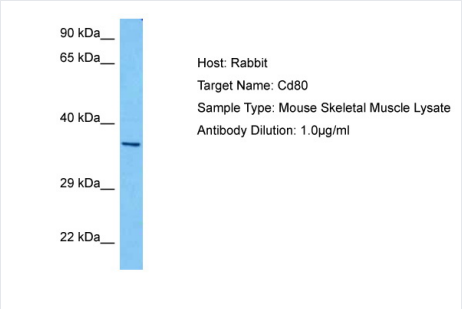
CD80 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD80, Polyclonal Antibody
Full Product Name	CD80 Antibody - middle region
Product Gene Name	anti-CD80 antibody
Product Synonym Gene Name	B71; Ly53; TSA1; Cd28l; Ly-53; MIC17
Immunogen Sequence	Synthetic peptide located within the following region: DRIYWQKHDK VVLSVIAGKL KVWPEYKNRT LYDNTTYSLI ILGLVLSDRG
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	CD80 peptide (MBS3248157) is used for blocking the activity of CD80 antibody (MBS3223542)
Molecular Weight	35 kDa
3D Structure	ModBase 3D Structure for Q00609
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of mouse CD80
Product Categories/Family for anti-CD80 antibody	Polyclonal; Lymphocyte Signaling; Signaling Intermediate; Immunology; Signal Transduction; Meiosis/Mitosis/Cell Cycle
Applications Tested/Suitable for anti-CD80 antibody	Western Blot (WB)
Related Product Information for anti-CD80 antibody	Involved in the costimulatory signal essential for T lymphocytes activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.
Other Notes	Small volumes of anti-CD80 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD80 purchase	MBS3223542 is an antibody targeting CD80. Also known as CD80 Antibody - middle region. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-CD80 antibody
Host: RabbitTarget Name: CD80Sample Tissue: Mouse Skeletal Muscle lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD80. It may not necessarily be applicable to this product.

NCBI GI #	112983684
NCBI GeneID	12519
NCBI Accession #	NP_033985.3
UniProt Primary Accession #	Q00609
UniProt Related Accession #	Q00609
GenBank Nucleotide #	NM_009855.2
NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 antigen
NCBI Official Symbol	Cd80
NCBI Official Synonym Symbols	B71; Ly53; TSA1; Cd28l; Ly-53; MIC17
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Synonym Protein Names	Activation B7-1 antigen; B7; CD_antigen: CD80
Protein Family	T-lymphocyte activation antigen
UniProt Gene Name	Cd80
UniProt Synonym Gene Names	B7; B7
NCBI Protein Information	T-lymphocyte activation antigen CD80
UniProt Comments for CD80	CD80: Involved in the costimulatory signal essential for T- lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor. Protein type: Immunoglobulin superfamily; Membrane protein, integral Chromosomal Location of Human Ortholog: 16 B4|16 26.86 cM Cellular Component: cell surface; external side of plasma membrane Molecular Function: protein binding Biological Process: positive regulation of alpha-beta T cell proliferation; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of T cell proliferation; T cell costimulation
Research Articles on CD80	**1.** CD28 may play a role in LPS nephropathy. Immunofluorescence colocalization analysis revealed a tight association of gammadeltaT cells with B7-1 in the kidney. High B7-1 expression was detected in podocytes treated with LPS.

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