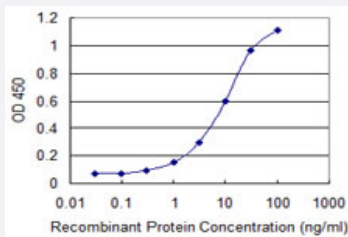


CD80 monoclonal antibody (M01), clone 1G1

Catalog # H00000941-M01

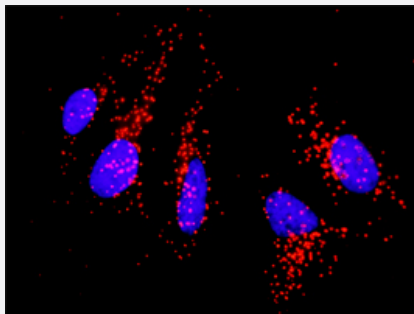
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD80 is 0.3 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CD86 and CD80. HeLa cells were stained with anti-CD86 rabbit purified polyclonal 1:1200 and anti-CD80 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CD80.
Immunogen	CD80 (AAH42665, 35 a.a. ~ 288 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VIHVTKEVKEVATLSCGHNVSEELAQTRYWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNLSI VILALRPSDEGTYECVVLKYEKDAFKREHLAEVTLVKADFPTPSISDFEIPTSNIRRIICSTSGGFPE PHLSWLENGEELNAINTVSQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHRLRVNQTFNWNTTK QEHPDNLPLSWAITLISVNGIFVICCLTYCFAPRCRERRRNERLRRESVRPV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (47)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD80 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CD86 and CD80. HeLa cells were stained with anti-CD86 rabbit purified polyclonal 1:1200 and anti-CD80 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — CD80

Entrez GeneID	941
GeneBank Accession#	BC042665
Protein Accession#	AAH42665
Gene Name	CD80
Gene Alias	CD28LG, CD28LG1, LAB7
Gene Description	CD80 molecule
Omim ID	112203
Gene Ontology	Hyperlink

Gene Summary

The B-lymphocyte activation antigen B7-1 (formerly referred to as B7) provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 (MIM 186760) and CTLA4 (MIM 123890) ligands of T cells.[supplied by OMIM]

Other Designations

B-lymphocyte activation antigen B7|CD80 antigen|CD80 antigen (CD28 antigen ligand 1, B7-1 antigen)|costimulatory factor CD80|costimulatory molecule variant IgV-CD80

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Infant](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)