

CD86 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17074**Specification**

CD86 Antibody - Product Information

Application	IHC, IF, WB
Primary Accession	P42081
Other Accession	942
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	37682

CD86 Antibody - Additional Information**Gene ID** 942**Other Names**

CD86, Activation B7-2 antigen, B7-2, B7.2, B70, CD86 molecule, CTLA-4 counter-receptor B7.2, CD86 antigen, FUN-1, LAB72, BU63, CD28LG2, CtlA-4 counter-receptors b7.2

Target/Specificity

Human CD86

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions

CD86 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD86 Antibody - Protein Information**Name** CD86**Synonyms** CD28LG2**Function**

Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4 (PubMed: [12196291](http://www.uniprot.org/citations/12196291)). May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation (PubMed: [7527824](http://www.uniprot.org/citations/7527824)). Also involved in the regulation of B cells function, plays a role in regulating the level of IgG(1) produced. Upon CD40 engagement, activates NF-kappa-B signaling pathway via phospholipase C

and protein kinase C activation (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed by activated B-lymphocytes and monocytes.

Volume

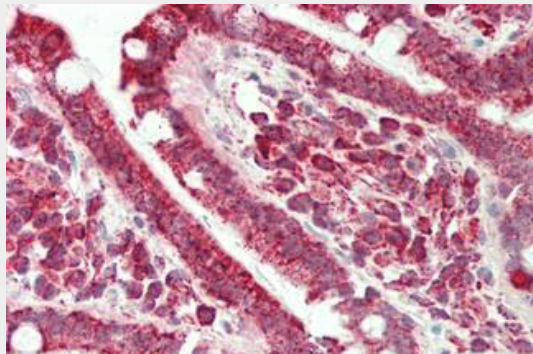
50 µl

CD86 Antibody - Protocols

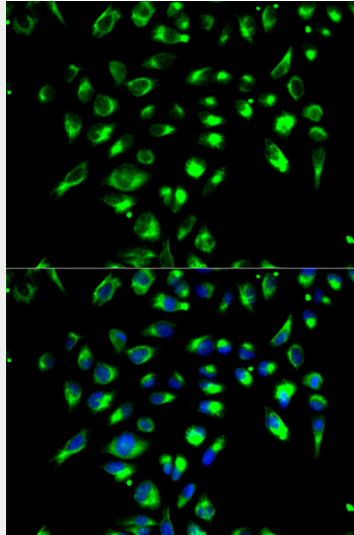
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

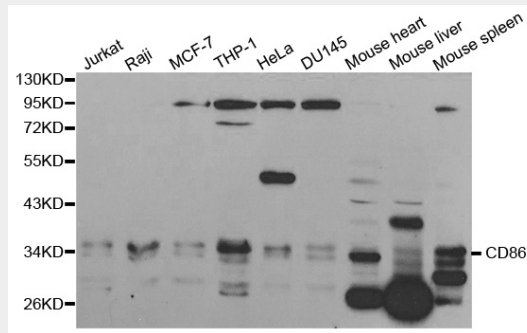
CD86 Antibody - Images



Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence analysis of MCF-7 cell using CD86 antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using CD86 antibody.

CD86 Antibody - Background

Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T- cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation.

CD86 Antibody - References

- Azuma M.,et al.Nature 366:76-79(1993).
- Freeman G.J.,et al.Science 262:909-911(1993).
- Magistrelli G.,et al.Biochem. Biophys. Res. Commun. 280:1211-1215(2001).
- Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
- Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.