

Product Datasheet

Recombinant CD86 Antibody / Rabbit Monoclonal (orb2640849)

Catalog Number	orb2640849
Category	Antibodies
Description	<p>Recognizes a protein of 70kDa, which is identified as CD86. CD86 is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is expressed at high levels on resting peripheral monocytes and dendritic cells and at very low density on resting B and T lymphocytes. CD86 expression is rapidly upregulated by B cell specific stimuli with peak expression at 18 to 42 hours after stimulation. CD86, along with CD80/B71, is an important accessory molecule in T cell co-stimulation via its interaction with CD28 and CD152/CTLA4. Since CD86 has rapid kinetics of induction, it is believed to be the major CD28 ligand expressed early in the immune response. It is also found on malignant Hodgkin and Reed Sternberg (HRS) cells in Hodgkin's disease.</p>
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A affinity chromatography
Immunogen	Recombinant human full-length protein was used as the immunogen for the recombinant CD86 antibody.

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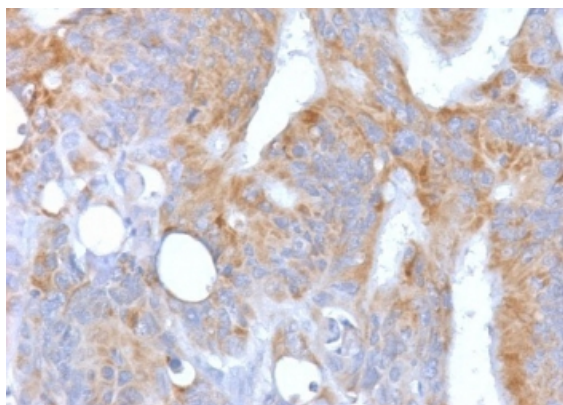
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UniProt ID	P42081
Tested applications	FACS, IF, IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/10 ⁶ cells, Immunofluorescence/Immunocytochemistry: 2-4ug/ml, Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT, Prediluted IHC only format: incubate for 30 min at RT (1)
Application notes	Optimal dilution of the recombinant CD86 antibody should be determined by the researcher. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	CDLA86-2R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human colon with recombinant CD86 antibody (CDLA86-2R). Required HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH9.0, for 10-20 min followed by cooling at RT for 20 min.

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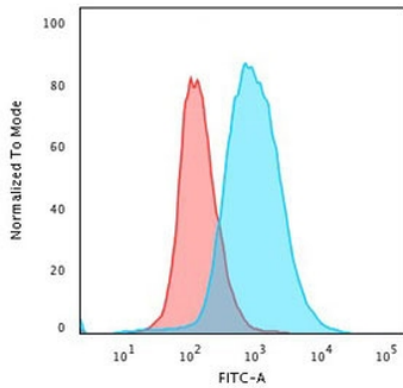
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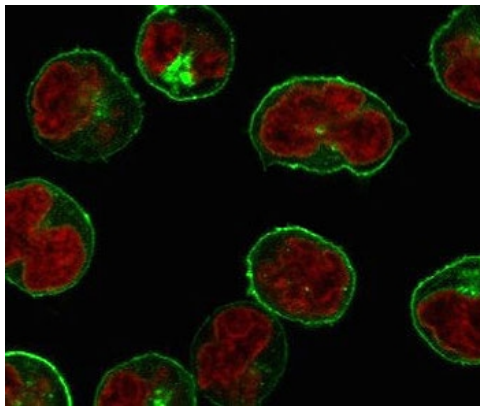
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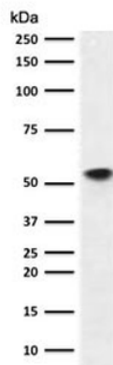
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Flow cytometry testing of human Ramos cells with recombinant CD86 antibody (blue, clone CDLA86-2R) and isotype control (red).



IF/ICC staining of human Raji cells with recombinant CD86 antibody (green, clone CDLA86-2R) and Reddot nuclear stain (red).



Western blot testing of human Ramos cell lysate with recombinant CD86 antibody (clone CDLA86-2R). Expected molecular weight: 38-70 kDa depending on glycosylation level.

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