

Product Datasheet

Recombinant CD86 Antibody / Rabbit Monoclonal (orb533979)

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|-----------------------------|---|
| Catalog Number | orb533979 |
| 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 | 0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide |
| 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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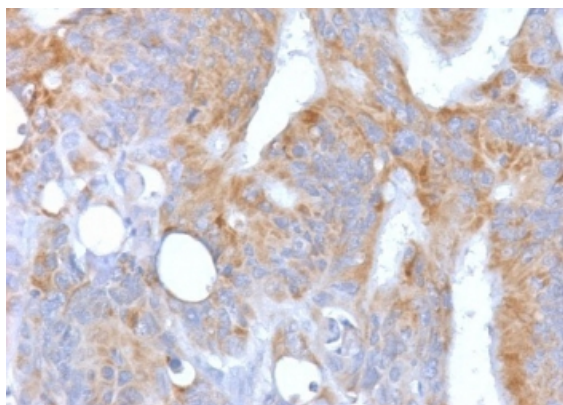
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|----------------------------|--|
| UniProt ID | P42081 |
| Tested applications | FACS, IF, IHC-P, WB |
| Dilution range | Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/10 ⁶ cells, Immunofluorescence/Immunocytochemistry: 2-4ug/ml, Immunohistochemistry (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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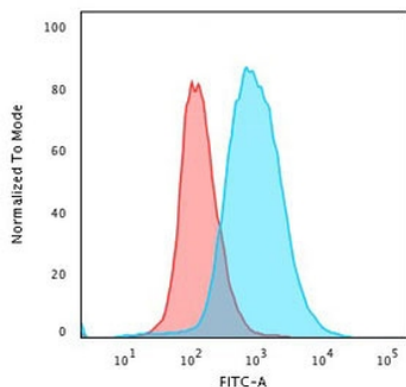
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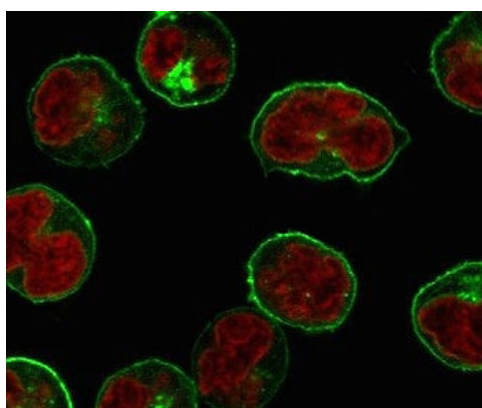
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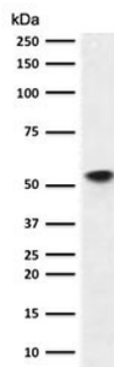
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Flow cytometry testing of human Ramos cells with recombinant CD86 antibody (blue, clone CDLA86-2R) and isotype control (red).



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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