

Rabbit CD86 Monoclonal Antibody | anti-CD86 antibody

CD86 (Dendritic Cells Maturation Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214592	Rabbit	Human, Mouse, Rat.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

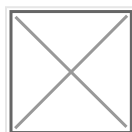
PRODUCT SYNONYMS

CD86; Monoclonal Antibody; CD86 (Dendritic Cells Maturation Marker); Activation B7-2 antigen; B lymphocyte activation antigen B72; CD28 antigen ligand 2; CD28LG2; CLS1; CTLA-4 counter-receptor B7.2; Early T-cell co-stimulatory molecule 1; ETC-1; FUN-1; LAB72; Ly-58; MB7-2; TS/A-2; anti-CD86 antibody

PRODUCT SPECIFICATIONS

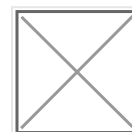
Host	Rabbit
Reactivity	Human, Mouse, Rat.
Clonality	Monoclonal
Isotype	IgG
Clone Number	C86/2160R
Specificity	Recognizes a protein of 70kDa, which is identified as CD86. CD86 is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is expressed 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-CD86 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human CD86 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	3q13.33
Positive Control	293T or Jukat cells. Monocytes and dendritic cells, activated T, B and natural killer cells in lymph node or tonsil.
Preparation and Storage	Store at 2 to 8 degree C. Non-hazardous. No MSDS required.

IMAGES



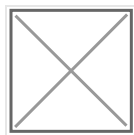
SDS-PAGE

SDS-PAGE Analysis of Purified CD86 Rabbit Recombinant Monoclonal Antibody (C86/2160R).



IF (Immunofluorescence)

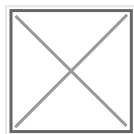
Immunofluorescent Staining of Raji cells using CD86 Rabbit Recombinant Monoclonal Antibody (C86/2160R) followed by goat anti-rabbit IgG conjugated with CF488 (green). Nuclei are stained with Red Dot.

**FCM/FACS (Flow Cytometry)**

Flow Cytometric Analysis of Ramos cells using CD86 Rabbit Recombinant Monoclonal Antibody (C86/2160R) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

**WB (Western Blot)**

Western Blot Analysis of Ramos cell lysate using CD86 Rabbit Recombinant Monoclonal Antibody (C86/2160R).

**IHC (Immunohistochemistry)**

Formalin-fixed, paraffin-embedded Human Colon stained with CD86 Rabbit Recombinant Monoclonal Antibody (C86/2160R).

ADDITIONAL INFORMATION

References	Engel P et. al. Blood. 1994; 84(5):1402-7.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	171182 ; 942
UniProt Accession #	P4208 ; P16070
Molecular Weight	70kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd86-antibody-clone-c86-2160r-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/214592>