CD86 Antibody [clone SPM600] (V2989)

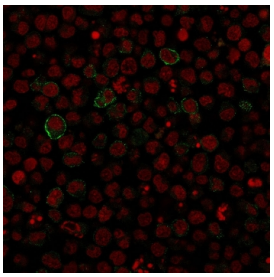
Catalog No.	Formulation	Size
V2989-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2989-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2989SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM600
Purity	Protein G affinity chromatography
UniProt	P42081
Localization	Cytoplasmic, membrane
Applications	Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
Limitations	This CD86 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human melanoma stained with CD86 antibody (clone SPM600).



Immunofluorescent staining of human Ramos cells with recombinant CD86 antibody (green, clone SPM600) and Reddot nuclear stain (red).

Description

CD86 is a 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. [UniProt]

Application Notes

Optimal dilution of the CD86 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Recombinant human full-length protein was used as the immunogen for the CD86 antibody.

Storage

Store the CD86 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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