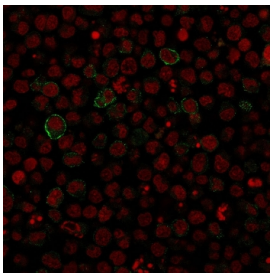
# CD86 Antibody [clone SPM600] (V2989)

| 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 |
| **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<br>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).