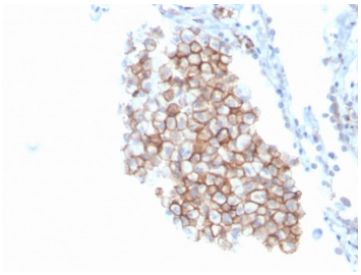
# CD86 Antibody [clone C86/3716] (V8524)

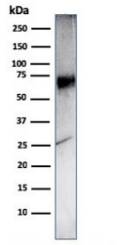
| Catalog No. | Formulation | Size |
|---|---|---|
| V8524-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8524-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8524SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

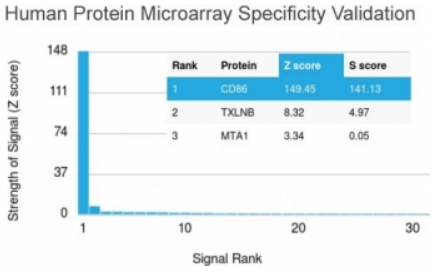
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | C86/3716 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P4208 |
| **Localization** | Cytoplasmic, membrane |
| **Applications** | Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT |
| **Limitations** | This CD86 antibody is available for research use only. |



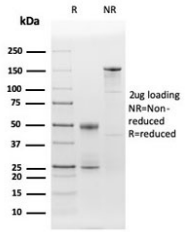
IHC staining of FFPE human lung carcinoma with CD86 antibody (clone C86/3716). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



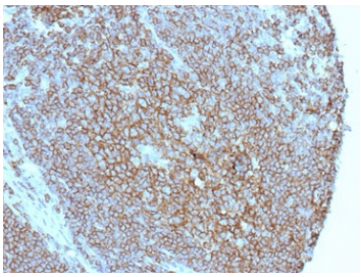

Western blot testing of human Ramos cell lysate with CD86 antibody (clone C86/3716). Expected molecular weight: 38-70 kDa depending on glycosylation level.



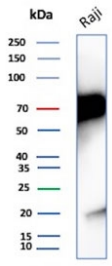

Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD86 antibody (clone C86/3716). These results demonstrate the foremost specificity of the C86/3716 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.




SDS-PAGE analysis of purified, BSA-free CD86 antibody (clone C86/3716) as confirmation of integrity and purity.



IHC staining of FFPE human tonsil tissue with CD86 antibody (clone C86/3716). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




Western blot testing of human Raji cell lysate with CD86 antibody (clone C86/3716). Expected molecular weight: 38-70 kDa depending on glycosylation level.

## Description

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 Hodgkins disease.

## Application Notes

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

## Immunogen

A portion of amino acids 66-195 from the human 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).


Copyright © NSJ Bioreagents. All rights reserved.