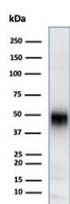


CD2 Antibody / Lymphocyte Function Antigen 2 / LFA-2 [clone LFA2/7106] (V4061)

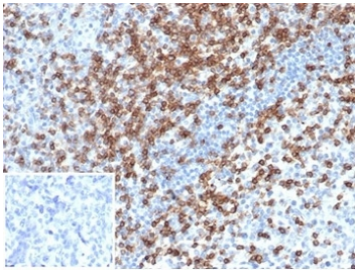
Catalog No.	Formulation	Size
V4061-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4061-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4061SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

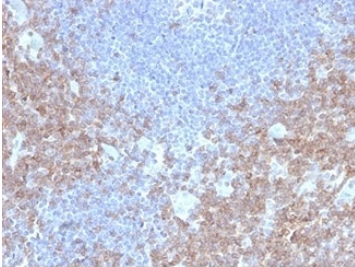
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	LFA2/7106
Purity	Protein A/G affinity
UniProt	P06729
Localization	Cell surface
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CD2 antibody is available for research use only.



Western blot testing of human Jurkat cell lysate using CD2 antibody (clone LFA2/7106).
Expected molecular weight ~47 kDa.

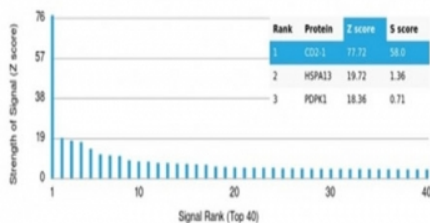


IHC staining of FFPE human tonsil tissue with CD2 antibody (clone LFA2/7106). Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node tissue with CD2 antibody (clone LFA2/7106). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD2 antibody (clone LFA2/7106). These results demonstrate the foremost specificity of the LFA2/7106 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.

Description

CD2 is mainly present on the surface of mature T cells and NK cell membranes, while B cells are usually not expressed. It can be used to label the diagnosis and study of normal T cells and their associated tumors, such as pre-t cell lymphoma, marginal T cell lymphoma and anaplastic cell lymphoma. CD2 antibody is useful for identification of precursor and mature T-cell lymphomas. Aberrant loss of CD2 in T-cell lymphomas may help to distinguish them from reactive T-cell proliferations.

Application Notes

Optimal dilution of the CD2 antibody should be determined by the researcher.

Immunogen

A recombinant fragment from the human protein was used as the immunogen for the CD2 antibody.

Storage

Aliquot the CD2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

