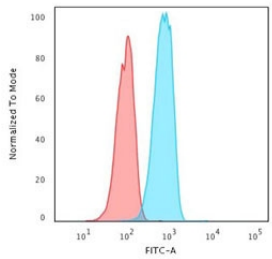
CD74 Antibody [clone CDLA74-1] (V7191)

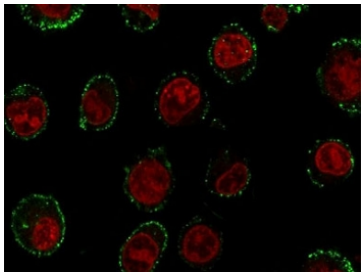
Catalog No.	Formulation	Size
V7191-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7191-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7191SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7191IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

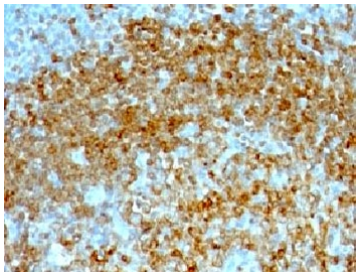
Availability	1-3 business days
Species Reactivity	Human. Other species not known.
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CDLA74-1
Purity	Protein G affinity chromatography
UniProt	P04233
Localization	Cell surface and paranuclear globular
Applications	Flow Cytometry: 0.5-1ug/million cells in 0.1ml Immunofluorescence: 1-2ug/ml Immunohistochemistry: 1-2ug/ml Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This CD74 antibody is available for research use only.



Flow cytometry testing of human Raji cells with CD74 antibody (clone CDLA74-1); Red=isotype control, Blue= CD74 antibody.



Immunofluorescent staining of human Raji cells with CD74 antibody (green, clone CDLA74-1) and Reddot nuclear stain (red).



IHC testing of FFPE human tonsil with CD74 antibody (clone CDLA74-1). HIER: FFPE testing requires sections to be boiled in pH6 10mM citrate buffer for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.

Description

CD74 associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [RefSeq]

Application Notes

Titering of the CD74 antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full-length human protein was used as the immunogen for the CD74 antibody. The epitope is known to be extracellular.

Storage

Store the CD74 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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