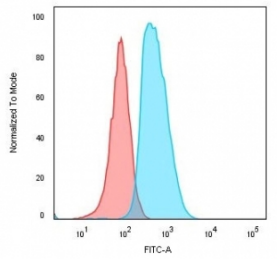
Anti-CD74 Antibody [clone SPM523] (V9108)

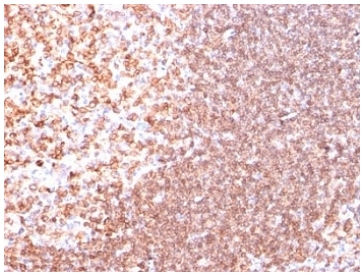
Catalog No.	Formulation	Size
V9108-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9108-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9108SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9108IHC-7ML	Prediluted 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

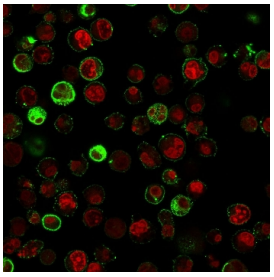
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM523
Purity	Protein G affinity chromatography
UniProt	P04233
Localization	Cell surface and paranuclear globular
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-CD74 antibody is available for research use only.



Flow cytometry testing of human Raji cells with anti-CD74 antibody (clone SPM523); Red=isotype control, Blue= anti-CD74 antibody.



IHC analysis of formalin-fixed, paraffin-embedded human tonsil stained with anti-CD74 antibody (clone SPM523).



Immunofluorescent staining of human Raji cells with anti-CD74 antibody (clone SPM523, green) and Reddot nuclear stain (red).

Description

CD74 is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).

Application Notes

The optimal dilution of the anti-CD74 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. 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

SU-DHL-4 lymphoma cells were used as the immunogen for this anti-CD74 antibody.

Storage

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