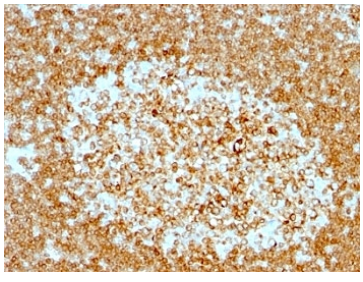
CD74 Antibody Cocktail [clone LN-2 + CLIP/813] (V3037)

Catalog No.	Formulation	Size
V3037-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3037-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3037SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3037IHC-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	LN-2 + CLIP/813
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 CD74 antibody cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with CD74 antibody (LN-2 + CLIP/813).

Description

It recognizes a protein of ~35kDa, identified as CD74/CLIP. It 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

Optimal dilution of the CD74 antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
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 (LN-2) and recombinant full-length human protein (CLIP/813) were used as the immunogen for the CD74 antibody cocktail.

Storage

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

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