

## CD74 (B-Cell Marker) (Transcription Regulator) Antibody

Mouse Monoclonal Antibody [Clone CLIP/7194]

Catalog No	Format	Size
972-MSM14-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
972-MSM14-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
972-MSM14-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

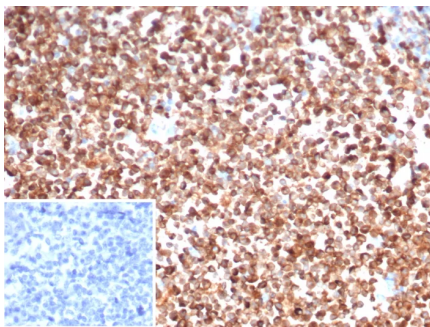
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

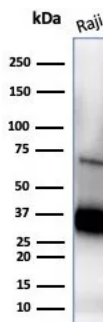
<b>Clone</b>	CLIP/7194
<b>Gene Name</b>	CD74
<b>Immunogen</b>	Recombinant fragment of human CD74 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	33-41kDa
<b>Cellular Localization</b>	Cell surface. Paranuclear globular.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	293T Daudi or Raji cells. Human tonsil or lymph node.

\*Optimal dilution for a specific application should be determined.

### Product Images for CD74 (B-Cell Marker) (Transcription Regulator) Antibody



Formalin-fixed, paraffin-embedded human spleen stained with CD74 Mouse Monoclonal Antibody (CLIP/7194) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.



Western blot analysis of Raji cell lysate using CD74 Mouse Monoclonal Antibody (CLIP/7194).

**Specificity & Comments**

It recognizes a protein of ~35kDa, identified as CD74 (Workshop IV). 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 (+).

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**Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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**Supplied As**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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**Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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**Research Areas**

Cardiovascular, Immunology, B Cell Markers

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