

## CD74 (B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone BU45]

Catalog No	Format	Size
972-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
972-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
972-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

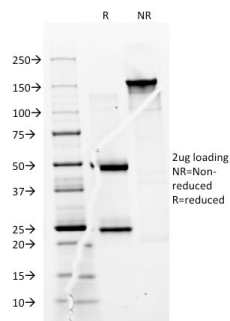
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	BU45
<b>Gene Name</b>	CD74
<b>Immunogen</b>	B lymphoblastoid cell line HFB1
<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 membrane, Endoplasmic reticulum membrane, Endosome, Golgi apparatus, Late endosome, Lysosome, trans-Golgi network
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Daudi cells. Tonsil or lymph node.

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

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



SDS-PAGE Analysis of Purified CD74 Mouse Monoclonal Antibody (BU45).  
Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

Recognizes proteins of 33, 35 and 41kDa, which are identified as various isoforms of CD74. Its epitope is localized in the extracellular domain of CD74. 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. The CD74 molecule plays a critical role in the presentation of peptides, by the MHC class II antigens, to CD4 positive lymphocytes. CD74 is expressed on MHC class II positive cells including B cells, a subset of activated T cells, monocytes, and dendritic cells and by various types of carcinomas. 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

Cancer, Cardiovascular, Immunology, B Cell Markers

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