

## Product Datasheet

### CD74 Antibody (FITC) (orb396346)

<b>Catalog Number</b>	orb396346
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody against CD74 conjugated to FITC.
<b>Target</b>	CD74
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG2a
<b>Conjugation</b>	FITC
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	640.91mM DMSO, 136.36 mM Ethanolamine, 126.89 mM chlorides, 9.09mM phosphates, 9.09mM NaHCO <sub>3</sub>
<b>Purification</b>	Protein G Purified
<b>Immunogen</b>	Human CD74 invariant chain synthetic peptide.
<b>UniProt ID</b>	<b>P04233</b>
<b>MW</b>	33 kDa
<b>Tested applications</b>	ICC, IF, WB
<b>Dilution range</b>	WB (1:1000); ICC/IF (1:100)

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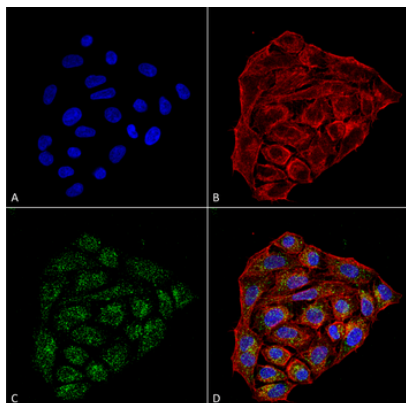
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<b>Application notes</b>	A 1:1000 dilution was sufficient for detection of CD74 in 15 µg of B-Cell Lymphoma cell line Raji by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.
<b>Specificity</b>	Detects ~33 kDa protein.
<b>Clone Number</b>	1B8
<b>Storage</b>	Conjugated antibodies should be stored according to the product label
<b>Note</b>	For research use only
<b>Entrez</b>	<b>972</b>
<b>NCBI</b>	<b>NP_001020329.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-CD74 Monoclonal Antibody, Clone 1B8. Tissue: Cervical cancer cell line (HeLa). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-CD74 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cell membrane, Endoplasmic Reticulum, Golgi apparatus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) CD74 Antibody. (D) Composite.

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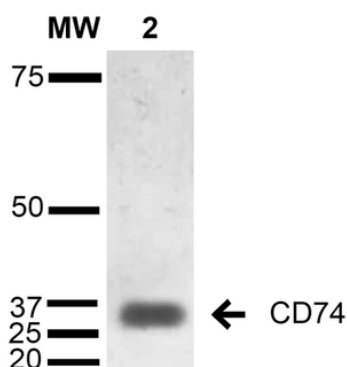
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Western Blot analysis of Human Lymphoblastoid cell line (Raji) showing detection of 33-35 kDa CD74 protein using Mouse Anti-CD74 Monoclonal Antibody, Clone 1B8. Lane 1: Molecular Weight Ladder (MW). Lane 2: Raji cell lysate. Load: 15  $\mu$ g. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-CD74 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 33-35 kDa.

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