

# Product Datasheet

## CD74 Antibody (1B8)

### NBP2-59696

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-59696](http://www.novusbio.com/NBP2-59696)

Updated 7/17/2023 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-59696](http://www.novusbio.com/reviews/destination/NBP2-59696)



**NBP2-59696**

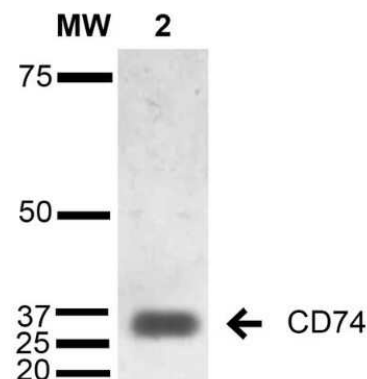
CD74 Antibody (1B8)

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1B8
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol
<b>Target Molecular Weight</b>	33 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	972
<b>Gene Symbol</b>	CD74
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Detects approx 220kDa in extracts of cells transiently transfected with TrpM7. No cross-reactivity against TrpM6.
<b>Immunogen</b>	Human CD74 invariant chain synthetic peptide.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/Immunofluorescence 1:100
<b>Application Notes</b>	A 1:1000 dilution of this antibody was sufficient for detection of CD74 in 15 ug of B-Cell Lymphoma cell line Raji by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

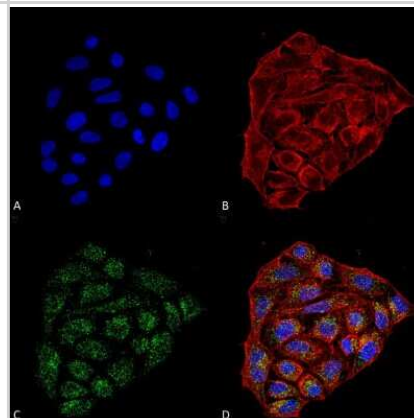


## Images

Western Blot: CD74 Antibody (1B8) [NBP2-59696] - 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 ug. 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.



Immunocytochemistry/Immunofluorescence: CD74 Antibody (1B8) [NBP2-59696] - Analysis using Mouse Anti-CD74 Monoclonal Antibody, Clone 1B8 . Tissue: HeLa Cells (Human Cervical Cancer). 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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-59696](http://www.novusbio.com/reviews/submit/NBP2-59696)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

