

# Product Datasheet

## Dityrosine Antibody (10A6) - BSA Free NBP2-59361

Unit Size: 100 ug

Store at -20C.

[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/NBP2-59361](http://www.novusbio.com/NBP2-59361)

Updated 9/9/2025 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/NBP2-59361](http://www.novusbio.com/reviews/destination/NBP2-59361)



**NBP2-59361**

Dityrosine Antibody (10A6) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C.
Clonality	Monoclonal
Clone	10A6
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

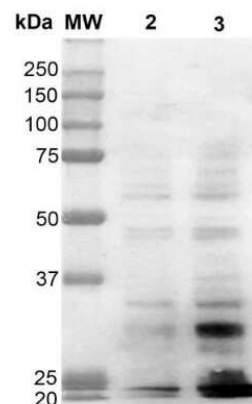
Product Description	
Description	Novus Biologicals Mouse Dityrosine Antibody (10A6) - BSA Free (NBP2-59361) is a monoclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	Specific for dityrosine modified proteins. Does not cross-react with 3,5-dibromotyrosine or bromotyrosine modified proteins.
Immunogen	Synthetic Dityrosine conjugated to Keyhole Limpet Hemocyanin (KLH).

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:50, ELISA 1:1000, Immunocytochemistry/ Immunofluorescence 1:50

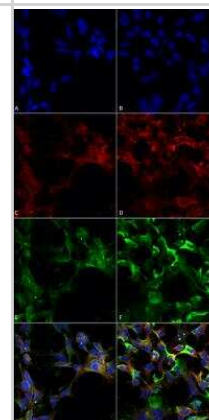


## Images

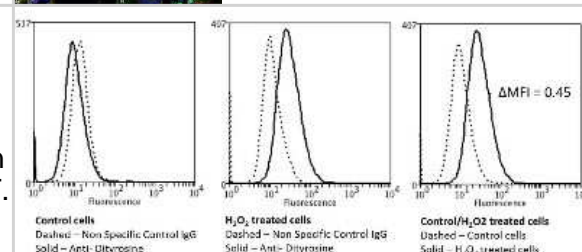
**Western Blot: Dityrosine Antibody (10A6) [NBP2-59361]** - Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Dityrosine protein using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 10A6 (NBP2-59361). Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa cell lysate. Lane 3: H<sub>2</sub>O<sub>2</sub> treated HeLa cell lysate. Load: 12 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (NBP2-59361) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT.



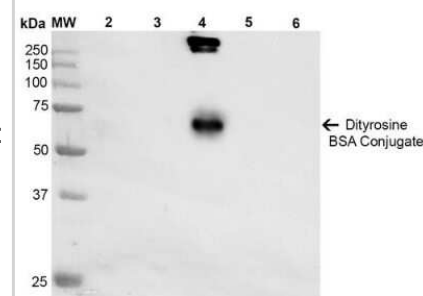
**Immunocytochemistry/Immunofluorescence: Dityrosine Antibody (10A6) [NBP2-59361]** - Tissue: Embryonic kidney cells (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody at 1:50 for 30-60 min at RT. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:1500 for 30-60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain at 1:250, 1:50000 for 30-60 min at RT. Localization: Cytoplasmic. Magnification: 20X (2X Zoom). (A,C,E,G) - Untreated. (B,D,F,H) - Cells cultured overnight with 50 uM H<sub>2</sub>O<sub>2</sub>. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) Dityrosine Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



**Flow Cytometry: Dityrosine Antibody (10A6) [NBP2-59361]** - Flow Cytometry analysis using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 10A6 (NBP2-59361). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 90% Methanol. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (NBP2-59361) at 1:50 for 30 min on ice. Secondary Antibody: Goat Anti-Mouse: PE at 1:100 for 20 min at RT. Isotype Control: Non Specific IgG. Cells were subject to oxidative stress by treating with 250 M H<sub>2</sub>O<sub>2</sub> for 24 hours.



**Western Blot: Dityrosine Antibody (10A6) [NBP2-59361]** - Western Blot analysis of Dityrosine-BSA Conjugate showing detection of 67 kDa Dityrosine protein using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 10A6 (NBP2-59361). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA. Lane 3: 3,5-Dibromotyrosine-BSA. Lane 4: Dityrosine-BSA. Lane 5: Bromotyrosine-BSA. Lane 6: 7-ketocholesterol-BSA. Load: 1 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (NBP2-59361) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 67 kDa.





### **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

### **Products Related to NBP2-59361**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

### **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/NBP2-59361](http://www.novusbio.com/reviews/submit/NBP2-59361)

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

