

# Product Datasheet

## Glyoxalase I Antibody (9F11) - BSA Free NBP2-59369

Unit Size: 100 ug

Store at -20C.

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**NBP2-59369**

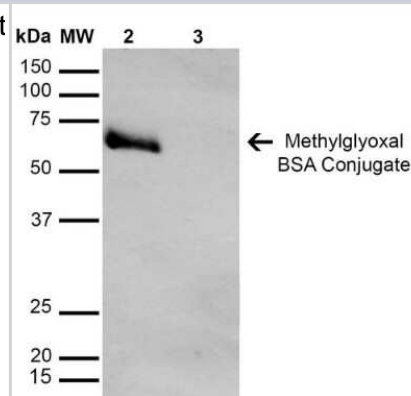
Glyoxalase I Antibody (9F11) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C.
Clonality	Monoclonal
Clone	9F11
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse Glyoxalase I Antibody (9F11) - BSA Free (NBP2-59369) 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
Gene ID	2739
Gene Symbol	GLO1
Species	Non-species specific
Specificity/Sensitivity	Specific for Methylglyoxal modified proteins. Does not detect free Methylglyoxal. Does not cross-react with Acrolein, Hexanoyl Lysine, Malondialdehyd, 4-Hydroxy-2-hexenal, 4-Hydroxy nonenal, or Crotonaldehyde modified proteins.
Immunogen	Synthetic Methylglyoxal modified 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

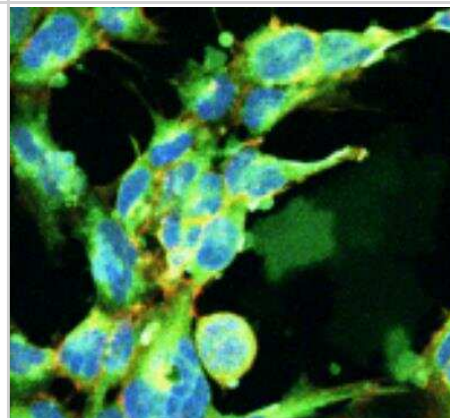


## Images

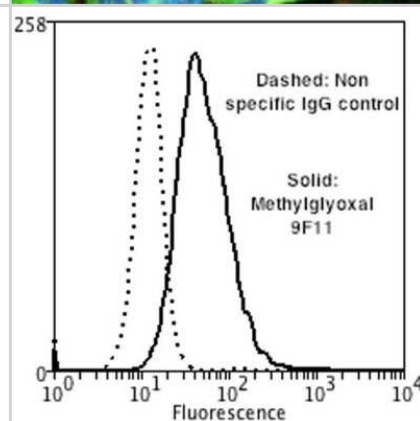
**Western Blot: Glyoxalase I Antibody (9F11) [NBP2-59369]** - Western Blot analysis of Glyoxalase I-BSA Conjugate showing detection of 67 kDa Glyoxalase I protein using Mouse Anti-Glyoxalase I Monoclonal Antibody, Clone 9F11 (NBP2-59369). Lane 1: Molecular Weight Ladder (MW). Lane 2: Glyoxalase I-BSA. Lane 3: BSA. Load: 0.5 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Glyoxalase I Monoclonal Antibody (NBP2-59369) 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: 67 kDa.



**Immunocytochemistry/Immunofluorescence: Glyoxalase I Antibody (9F11) [NBP2-59369]** - Tissue: Embryonic kidney cells (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Methylglyoxal 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. Magnification: 20X (2X Zoom Courtesy of: Dr. Robert Burke, University of Victoria).



**Flow Cytometry: Glyoxalase I Antibody (9F11) [NBP2-59369]** - Flow Cytometry analysis using Mouse Anti-Glyoxalase I Monoclonal Antibody, Clone 9F11 (NBP2-59369). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 90% Methanol. Primary Antibody: Mouse Anti-Glyoxalase I Monoclonal Antibody (NBP2-59369) 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.





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### **Products Related to NBP2-59369**

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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)
NBP2-56695PEP	Glyoxalase I Recombinant Protein Antigen

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### **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.

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