

# Product Datasheet

## GRP78/HSPA5 Antibody (3C5-1A4) - BSA Free NBP2-59692

Unit Size: 100 ug

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

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**NBP2-59692**

GRP78/HSPA5 Antibody (3C5-1A4) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C5-1A4
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Target Molecular Weight	78 kDa

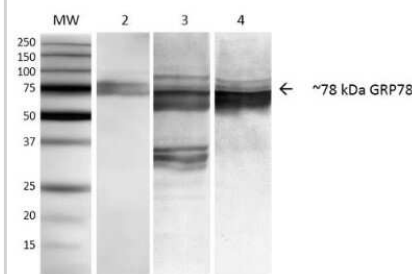
Product Description	
Description	Novus Biologicals Mouse GRP78/HSPA5 Antibody (3C5-1A4) - BSA Free (NBP2-59692) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3309
Gene Symbol	HSPA5
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 33 kDa protein.
Immunogen	Full-length recombinant rat GRP78

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, ELISA, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	1 ug/mL of this antibody was sufficient for detection of GRP78 in 20 ug of HEK-293 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

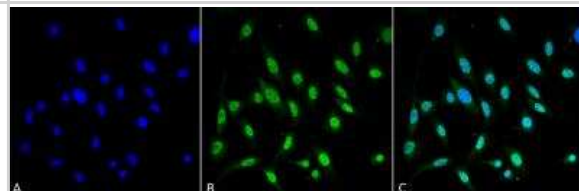


## Images

Western Blot: GRP78/HSPA5 Antibody (3C5-1A4) [NBP2-59692] - Analysis of Human, Mouse, Rat NIH3T3, Rat Brain, and HEK-293 cell lysates showing detection of ~78 kDa GRP78 protein using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Lane 1: MW ladder. Lane 2: Mouse NIH3T3. Lane 3: Rat Brain. Lane 4: Human HEK-293. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: HRP Goat Anti-Mouse at 1:50 for 1 hour at RT. Color Development: TMB solution for 5 min at RT. Predicted/Observed Size: ~78 kDa.



Immunocytochemistry/Immunofluorescence: GRP78/HSPA5 Antibody (3C5-1A4) [NBP2-59692] - Mouse fibroblast cell line (NIH 3T3). Fixed in 4% Formaldehyde for 15 min at RT. Primary antibody at 1:100 for 60 min at RT. Secondary antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstained with DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus. Magnification: 60X.





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### **Products Related to NBP2-59692**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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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