

# Product Datasheet

## Blue Marker Antibody (6F4-F6) - BSA Free NBP2-33376-0.1ml

Unit Size: 0.1 ml

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

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**NBP2-33376-0.1ml**

Blue Marker Antibody (6F4-F6) - BSA Free

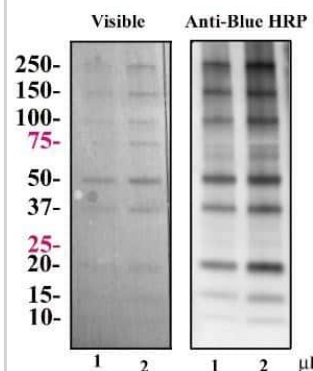
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6F4-F6
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	Detects BLUE prestained molecular weight markers from different vendors, does not cross-react with whole cell proteins of different species, does not interfere with the detection by other antibodies.
Immunogen	Blue dye stained proteins

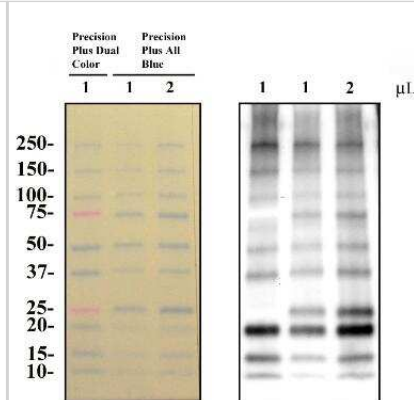
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000
Application Notes	This Blue Marker Antibody (6F4-F6) is useful for detecting blue prestained markers in Western blot.

**Images**

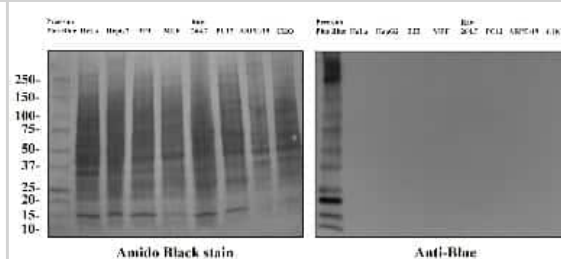
Western Blot: Blue Marker Antibody (6F4-F6) [NBP2-33376] - Analysis using the HRP conjugate of NBP2-33376. Precision Plus Dual Color molecular weight markers (1 and 2 ul) were separated by SDS-PAGE on a 4-14% gel and transferred to PVDF membrane. The membrane was incubated with HRP conjugated Blue Marker Antibody at 1 ug/ml for 30 min. After washing, the membrane was exposed to ECL and the blue markers detected with a 5 second exposure.



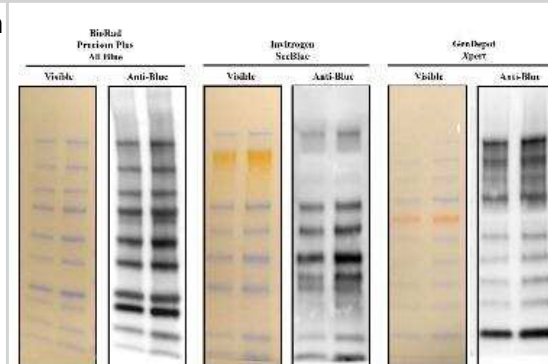
**Western Blot: Blue Marker Antibody (6F4-F6) [NBP2-33376]** - The indicated amounts of the BioRad Precision Plus Dual Color and All Blue protein standards were separated by SDS-PAGE on a 4-15% gel, transferred to PVDF membrane. The membrane was blocked for 1 hour in 5% non-fat milk in TBST and then incubated with 1.0 ug/mL of Anti-blue antibody and a 1:10,000 dilution of Anti-mouse HRP in 1% non-fat milk TBST for 1 hour. After washing the membrane was processed for chemiluminescent detection.



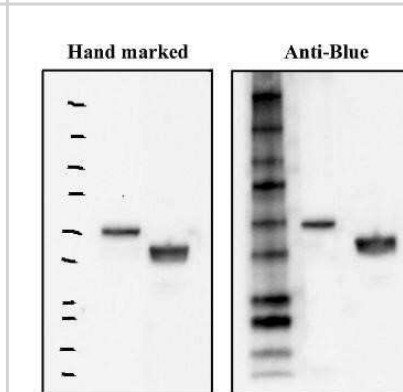
**Western Blot: Blue Marker Antibody (6F4-F6) [NBP2-33376]** - Highly specific to blue prestained markers. Does not cross react with whole cell proteins of different species. Whole cell lysate from various cell lines of human, mouse, rat and hamster origin were separated on a 4-15% gel by electrophoresis and transferred to PVDF. The membrane was stained with Amido black to show the presence of protein from all lysates. After blocking in 5% non-fat milk, the membrane was incubated with Anti-Blue at 1 ug/ml. After washing and incubation with Anti-mouse HRP the blot was incubated in ECL reagent and imaged. Note that only the blue molecular weight markers were detected with the Anti-Blue antibody demonstrating its high specificity and suitability for addition to your Western blot procedure.



**Western Blot: Blue Marker Antibody (6F4-F6) [NBP2-33376]** - Works with all prestained blue markers. Prestained molecular weight markers (2 and 5 ul) from three suppliers, BioRad, Invitrogen and GenDepot were separated by electrophoresis on a 4-15% gel and transferred to PVDF membrane. After blocking in 5% non-fat milk the blot was probed with 1 ug/ml Anti-Blue, washed and incubated with an Anti-mouse HRP conjugated secondary antibody followed by ECL incubation. The composite figure shows the visible image of the markers on the blot and its corresponding Western blot image. Note that only the blue protein markers from each supplier are detected by Western blot.



**Western Blot: Blue Marker Antibody (6F4-F6) [NBP2-33376]** - Analysis using the HRP conjugate of NBP2-33376. Detection of the location of each of the protein standards is hand marked on the X-ray film or image after exposure. This can lead to errors and inaccuracy in determining the molecular weight and identity of your target protein (Tubulin and Actin are shown as examples in these images). By using the Anti-Blue antibody in conjunction with your target protein antibodies, you can image the complete molecular weight standard and your target protein at the same time.



## Publications

Schuchner S, Andorfer P, Mudrak I, Ogris E. Anti-RAINBOW dye-specific antibodies as universal tools for the visualization of prestained protein molecular weight markers in Western blot analysis. Sci Rep. [PMID: 27531616] (WB)



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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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