

# Product Datasheet

## Bat Immunoglobulin Antibody (BT1-4F10) - BSA Free NBP2-23483

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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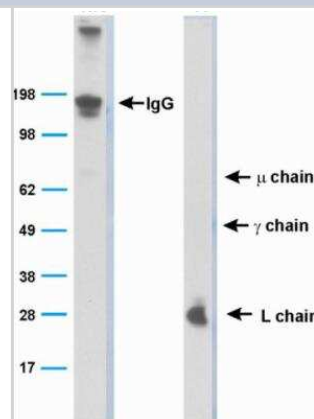
**NBP2-23483**

Bat Immunoglobulin Antibody (BT1-4F10) - 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	BT1-4F10
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	Tris-Glycine and 0.15M NaCl
Product Description	
Host	Mouse
Species	Bat
Reactivity Notes	Microchiropteran bats (confirmed against big brown, little brown, Red, Silverhair, Hoary bats) and porcine. Does not react with Megachiropteran bats (confirmed against <i>P. poliocephalus</i> , <i>P. giganteus</i> , <i>P. rodricensis</i> , <i>R. aegyptiacus</i> , <i>P. vampyrus</i> , <i>E. helvum</i> , <i>P. pumilus</i> , <i>P. hypomelanus</i> ), human, mouse, rat, hamster, canine, feline, guinea pig, and bovine.
Specificity/Sensitivity	Immunoglobulin L (Light) chain.
Immunogen	Microchiropteran bat ( <i>Eptesicus fuscus</i> ) spleen cells.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 0.5 ug/ml-1.0 ug/ml, Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation
Application Notes	This Bat Immunoglobulin (BT1-4F10) antibody is useful for Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunoprecipitation and Flow Cytometry. This antibody is useful for detecting rabies in bats and identifies all immunoglobulin classes: IgG, IgD, IgE, IgA and IgM.

**Images**

Western Blot: Bat Immunoglobulin Antibody (BT1-4F10) [NBP2-23483] - Analysis of whole serum as detected by NBP2-23483. Left side shows the non-reduced lane, mainly IgG because all the chains are attached to each other. The right side is the reduced lane, where the different chains are separated and the one directly bound by the mAb (Light chain) is visualized.



## Publications

Hall JS, Knowles S, Nashold SW et al. Experimental challenge of a North American bat species, big brown bat (*Eptesicus fuscus*), with SARS-CoV-2 Transboundary and emerging diseases 2020-12-09 [PMID: 33295095] (ELISA, Bat)

Details:

*Eptesicus fuscus*

Irving AT, Rozario P, Kong PS et al. Robust dengue virus infection in bat cells and limited innate immune responses coupled with positive serology from bats in IndoMalaya and Australasia Cell. Mol. Life Sci. 2019-07-27 [PMID: 31352533]





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### **Products Related to NBP2-23483**

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.

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