

# Product Datasheet

## Bat Immunoglobulin Antibody (BT1-4F10) 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)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BT1-4F10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	Tris-Glycine and 0.15M NaCl

**Product Description**

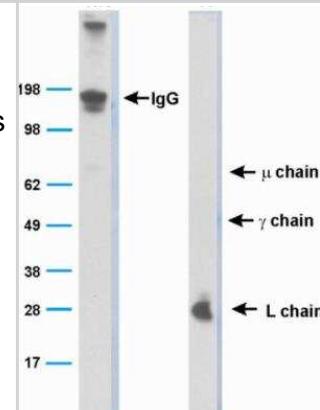
<b>Host</b>	Mouse
<b>Species</b>	Bat
<b>Reactivity Notes</b>	Microchiropteran bats (confirmed against big brown, little brown, Red, Silverhair, Hoary bats) and porcine. Does not react with Megachiropteran bats (confirmed against P. poliocephalus, P. giganteus, P. rodricensis, R. aegyptiacus, P. vampyrus, E. helvum, P. pumilus, P. hypomelanus), human, mouse, rat, hamster, canine, feline, guinea pig, and bovine.
<b>Specificity/Sensitivity</b>	Immunoglobulin L (Light) chain.
<b>Immunogen</b>	Microchiropteran bat (Eptesicus fuscus) spleen cells.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 0.5 ug/ml-1.0 ug/ml, Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation
<b>Application Notes</b>	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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