DATASHEET

Infectious Bronchitis Virus (IBV) N Protein Mouse Monoclonal Antibody (IBV-N_3D4)

CAT. NO. AXA0017

KEY FEATURES

Target	Infectious Bronchitis Virus (IBV) N Protein	Source / Host	Mouse
Reactivity	IBV Strain H120	Clonality	Monoclonal
Applications	WB,IF/ICC	Storage	-20.0°C

BACKGROUND

Infectious Bronchitis Virus (IBV) N Protein is the nucleoprotein encoded by Infectious Bronchitis Virus, a key structural component that plays a critical role in encapsidating the viral single-stranded RNA genome to form the ribonucleoprotein complex, participates in multiple steps of the viral life cycle including replication, transcription, and virion assembly, is highly conserved among different IBV strains which makes it a potential target for diagnostic reagent development and vaccine design, and elicits a strong immune response in infected hosts thus serving as an important antigen for serological detection.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	Dilution Ratio
WB	1:1000-2000
IF/ICC	1:200-1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse Monoclonal antibody to Infectious Bronchitis Virus (IBV) N Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Recognizes N protein expressed in LMH cells transfected with the eukaryotic expression plasmid pc-IBV H120 N.
Immunogen	Prokaryotically expressed IBV H120 Strain N Protein
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	IBV N, IBV NP, Infectious bronchitis virus nucleocapsid protein, Avian coronavirus nucleoprotein

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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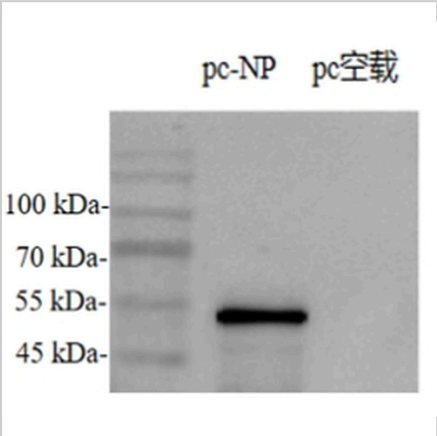

Western blot analysis using Infectious Bronchitis Virus (IBV) N Protein Mouse Monoclonal Antibody (IBV-N_3D4) demonstrates recognition of the N protein expressed in LMH cells transfected with the eukaryotic expression plasmid pc-IBV H120 N.

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com