



Mouse Anti-IBV Nucleoprotein Monoclonal antibody, clone JC06 (CABT-CS184)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Nucleoprotein of IBV
Target	IBV Nucleoprotein
Immunogen	Semi-purified inactivated IB virus of Massachusetts type from infected chicken embryos
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	IBV
Clone	JC06
Purification	Protein A chromatography
Conjugate	unconjugated
Applications	Immunodetection of IBV N-protein in Western Blotting; IB virus detection in sandwich-type immunoassay (capture).
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.09 % sodium azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction

Influenza virus NP is a major structural protein in virus particles and has multiple functions in the viral infectious cycle. It is a basic protein rich in arginine with a net positive charge of +14 at pH 6.5. In vitro it binds to RNA nonspecifically, yet in vivo NP binds only to complete cRNA (plus polarity) and vRNA (minus polarity), forming cRNP and vRNP, respectively, and does not bind to viral mRNA (plus polarity) possessing 5' cap and 3' poly(A) sequences.

Keywords

Influenza B virus nucleoprotein; IBV nucleoprotein; IBV; Influenza B; IBV NP; IBV Nucleocapsid protein