



# Magic™ Mouse Anti-BCoV Monoclonal antibody, clone 0201 (DMAB-CS23070)

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

## PRODUCT INFORMATION

Specificity	BCoV
Target	BCoV
Isotype	IgG
Source/Host	Mouse
Species Reactivity	BCoV
Clone	0201
Purification	Ascites were purified by the methods of octanoic acid-ammonium sulfate precipitation
Conjugate	unconjugated
Applications	ELISA (Cap)
Format	Liquid
Size	1 mg
Buffer	PBS, pH7.4
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.

## BACKGROUND

**Introduction**

Bovine coronavirus (BCoV) belongs to the genus Betacoronavirus, a genus in the family Coronaviridae, comprising large, enveloped, positive-strand RNA viruses that have become increasingly important human and animal disease pathogens. BCoV consists of one serotype with some antigenic variation between different strains. The virus genome encodes five major structural proteins: the nucleocapsid (N), transmembrane (M), spike (S), small membrane (E), and hemagglutinin/esterase (HE). Both the S and HE glycoproteins hemagglutinate red blood cells by binding to N-acetyl-9-O-acetylneuraminic acid as a receptor determinant and produce virus-neutralizing antibodies. In addition, they are involved in determining the virus tissue and host tropism. The HE protein also acts as a receptor-destroying enzyme (RDE), serving as an esterase to reverse hemagglutination (HA)

**Keywords**

Bovine coronavirus; BCoV