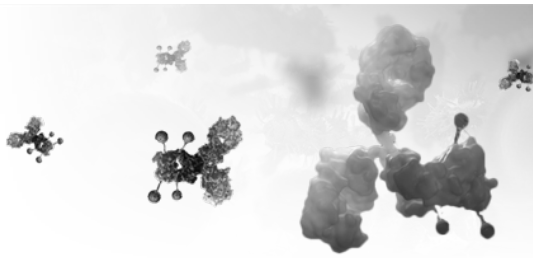

Mouse Anti-Norovirus Monoclonal Antibody, clone 6D5.21 (CABT-L3050)

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

PRODUCT INFORMATION

Product Overview	This monoclonal antibody, clone 6D5.21, recognizes the S domain portion of the viral capsid protein and is broadly reactive with pan-noroviruses of murine and human type.
Immunogen	Infectious and UV-inactivated murine norovirus-1.
Isotype	IgG2b, κ
Source/Host	Mouse
Species Reactivity	Norovirus, virus
Clone	6D5.21
Purification	Protein G purified.
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	Supplied in buffer containing 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Preservative	0.05% sodium azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

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Ship	Wet ice

BACKGROUND

Introduction	Norovirus is a member of the Caliciviridae family and is responsible for gastroenteritis outbreaks. Murine norovirus (MNV-1) that is about 28 to 35 nm in diameter, shares many biochemical and genetic features with human noroviruses. An analysis of the MNV-1 genome shows three open reading frames (ORF) that are characteristic of noroviruses and vesiviruses. ORF1 is reported to encode a predicted 187 kDa polyprotein that contains the 2C helicase, 3C protease, and 3D polymerase motifs. ORF2 encodes a 59 kDa capsid protein that can self-assemble into virus-like particles when expressed in a baculovirus expression system. ORF3 is reported to encode a putative 22 kDa basic protein. The norovirus capsid protein contains a highly conserved shell (S) and protruding (P) domain and the P domain is shown to contain binding sites for receptors and neutralizing antibodies. The S domain is shown to be highly conserved and the capsid sequence diversity is limited to the P domain. MNV-1 infection is reported to modulate the MAPK pathway to activate eIF4E phosphorylation and the activation of p38 and Mnk during MNV-1 infection is considered to be important for its replication.
Keywords	MNV-1;Murine Norovirus;Norovirus

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