FMD Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	FMD, Monoclonal Antibody
Full Product Name	FMD, Non-Structural Protein 3a (Foot and Mouth Disease, FMDV) (Biotin)
Product Gene Name	anti-FMD antibody
Product Synonym Names	Foot-And-Mouth Disease Virus
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	10C254
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with Biotin.
Purity/Purification	Purified by Protein G Affinity Chromatography
Specificity	Recognizes the 2a non-structural protein of Foot-and-mouth disease virus (FMD).
Preparation and Storage	Store at -20 degree C.
Molecular Weight	256,785 Da
3D Structure	ModBase 3D Structure for P49303
Immunogen	Recombinant FMD non-structural protein 3a
Conjugate	Biotin
Product Categories/Family for anti-FMD antibody	Antibodies; Infectious Disease Foot and Mouth
Applications Tested/Suitable for anti-FMD antibody	ELISA (EIA)
Related Product Information for anti-FMD antibody	MBS6248960 is an antibody targeting FMD. Also known as FMD, Non-Structural Protein 3a (Foot and Mouth Disease, FMDV) (Biotin). Host: Mouse.
Product References and Citations for anti-FMD antibody	1. Grubman, M. J. and Baxt, B. (2004) Foot-and-mouth disease. Clin Microbiol Rev. 17: 465-493.
Other Notes	Small volumes of anti-FMD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FMD. It may not necessarily be applicable to this product.

NCBI GI #	1346741
NCBI Accession #	P49303.1
UniProt Primary Accession #	P49303
UniProt Secondary Accession #	Q65094

NCBI Official Full Name	Genome polyprotein
UniProt Protein Name	Genome polyprotein
UniProt Synonym Protein Names	VP4-VP2
UniProt Gene Name	Lpro
UniProt Synonym Gene Names	P2A; P2B; P2C; P3A; P3B-1; P3B-2; P3B-3; P3C; P3D-POL
UniProt Entry Name	POLG_FMDVZ
UniProt Comments for FMD	The leader protease autocatalytically cleaves itself from the polyprotein at the L/VP0 junction. It cleaves the host translation initiation factors EIF4G1 and EIF4G3, in order to shut down the capped cellular mRNA transcription. Increases translation driven by the viral internal ribosome entry site (IRES).
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