Mouse Ebola GP I Monoclonal Antibody | anti-GP antibody

Ebola GP I; GP

CATALOG #	HOST	APPLICATIONS
AAA14871	**Mouse**	**Western Blot**

PRODUCT SYNONYMS

Ebola GP I; Monoclonal Antibody; GP; anti-GP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b, Kappa
Clone Number	ABM47F9
Purity/Purification	Protein G Chromatography
Form/Format	Purified
Sequence Length	676
Applicable Applications for anti-GP antibody	WB (Western Blot)
Application Notes	Western Blot analysis: 0.5-1ug/ml
Immunogen	A partial length recombinant GP I protein of Sudan Ebola virus was used as an immunogen for this antibody.
Content	25ug in 50ul/100ug in 200ul PBS containing 0.05% BSA and 0.05% sodium azide.Sodium azide is highly toxic.
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of Ebola GP I. Anti-Ebola GP I antibody (Clone: ABM47F9) was tested at 0.1 ug/ml partial length recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-GP antibody	The Sudan ebola virus (SUDV) glycoprotein (GP) is an envelope glycoprotein that is present on the virion surface and is involved in receptor binding and mediating viral entry. It is composed of a trimer of heterodimers (GP1/GP2), where GP1 and GP2 remain covalently linked by a disulfide bond9, and the resulting GP1-GP2 pair trimerizes to form a ~450 kDa envelope spike on the viral surface. GP is synthesized as a single polypeptide of 676 amino acids in length that is post-translationally cleaved by furin to yield two subunits, GP1 and GP2. The GP1 subunit contains two heavily glycosylated domains, the glycan cap and the mucin-like domain (MLD). The glycan cap contains only N-linked glycans, whereas the MLD contains both N- and O-linked glycans. All 15 N-glycosylation sites of GP1 could be removed without compromising the expression of GP. In the endosome, a flexible loop containing GP1 residues 190 213 is cleaved by host cathepsins. This cleavage releases the glycan ap and mucin-like domains from GP1. The GP1 subunit is responsible for receptor binding and attachment to new host cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770812
NCBI GeneID	3160774
NCBI Accession #	YP_138523.1
NCBI GenBank Nucleotide #	NC_006432.1
UniProt Accession #	Q7T9D9
NCBI Official Full Name	spike glycoprotein
NCBI Official Symbol	GP
NCBI Protein Information	spike glycoprotein; small secreted glycoprotein; second secreted glycoprotein
UniProt Protein Name	Envelope glycoprotein
UniProt Gene Name	**GP**
UniProt Synonym Gene Names	GP
UniProt Entry Name	VGP_EBOSU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/ebola-gp-i-antibody-clone-abm47f9-western-blot-elisa/14871