

Anti-Ebola GP [h-13F6] Bulk size

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Description: Recombinant monoclonal antibody to Ebola GP. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma h-13F6.

Isotype and Format: Rabbit IgG,

Clone Number: h-13F6

UniProt Accession Number of Target Protein:

Published Application(s): IP; SPR; ELISA

Published Species Reactivity: EBOV (Zaire)

Immunogen: Murine 13F6 (IgG2a) was prepared by immunizing BALB/c mice with packaged Venezuelan equine encephalitis virus replicons encoding the GP from the Mayinga isolate of Ebola virus Zaire 1976. Murine 13F6 was deimmunized (to remove T-cell epitopes from the variable region sequences) and chimerized with human IgG1 constant regions to create h13F6.

Specificity: h-13F6 binds specifically to the linear epitope ATQVEQHHRRTDNDSTA (aa 401-417) on Ebola Virus Zaire GP1. Proteolytic processing of GP results in two products, GP1 and membrane-bound GP2, that covalently associate to form a monomer of the GP spike found on the surfaces of virions. GP1 is also released from infected cells in a soluble form. The Ebola virus is of the family Filoviridae and causes acute hemorrhagic fever in humans and non-human primates. The membrane-anchored glycoprotein (GP) is the only viral protein known to be on the surfaces of virions and infected cells and is thought to be responsible for receptor binding and fusion of the virus with host cells.

Antibody First Published in:

Zeitlin L et al. Proc Natl Acad Sci U S A. 2011 Dec 20;108(51):20690-4. [PMID:22143789](#) **Note on publication:** Describes the generation of a deimmunized and chimeric anti-EBOV GP antibody and its characterization of in vivo and in vitro properties. It is also compared to the original murine antibody.

Product Form

This is a Bulk size product. Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied in: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Product Code: Ab00790-23.0-BT

Rabbit IgG

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.