

Anti-Glycoprotein Complex [37.7H] Standard Size Ab01102-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This chimeric mouse antibody was made using the variable domain sequences of the original human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgM, Lambda

Clone Number: 37.7H

Alternative Name(s) of Target: GP1; GP2; GPC; LASV GPC

UniProt Accession Number of Target Protein:

Published Application(s): crystallography, NTRL, WB, ELISA

Published Species Reactivity: Lassa virus

Immunogen: This antibody was derived from B-cells of previously LASV-infected subject.

Specificity: Binds to Lassa virus glycoprotein at the quarternary GPC-B epitope.

Application Notes: This antibody, in its original human IgG1 format, has shown potent in vitro neutralizing activity against Lassa Virus I, II, III & IV. It may also be used to detect Lassa virus by ELISA and Western Blot as well as being able to immunoprecipitate LASV GP-trimer.

Antibody First Published in: Robinson et al. Most neutralizing human monoclonal antibodies target novel epitopes requiring both Lassa virus glycoprotein subunits. Nat Commun. 2016 May 10;7 [PMID:27161536](#)

Note on publication: Describes the generation and initial characterization of this antibody.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

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