Anti-Nipah virus F Site IV [1E 11] Standard Size Ab02853-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: 1E 11
Alternative Name(s) of Target: Fusion glycoprotein; Protein F; 1E11
UniProt Accession Number of Target Protein: Q9IH63
Published Application(s): IP
Published Species Reactivity: Nipah virus
Immunogen: The original version of this antibody was raised against the fusion (F) protein of the Nipah virus.
Specificity: This antibody is specific to fusion (F) protein of the Nipah virus. It is a class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and plasma cell membrane fusion, the heptad repeat (HR) regions assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. This clone binds to Site IV on F protein in both its Pre- and Post- fusion state. It crossreacts with HeV F.
Application Notes: This antibody is recommened for the detection and analysis of the fusion (F) protein of the Nipah virus. This clone is specifically useful in IP isolation of both the pre- and post-fusion F protein.
Antibody First Published in: PMID:
Note on publication:

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In:

PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.