Anti-Nipah virus F Site II [4C9] Standard Size Ab02854-10.3

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 IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: 4C9
Alternative Name(s) of Target: Fusion glycoprotein; Protein F
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 II on F protein in its prefusion 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-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 -

20^{o}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.