

Measles Nucleoprotein Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90018 (clone 2F3)

Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

BACKGROUND

Measles virus (MeV) is an enveloped RNA virus in the *Morbillivirus* genus of the *Paramyxoviridae* family. Its non-segmented, negative-sense, single-stranded RNA genome is encapsidated by the viral nucleoprotein (N) within a helical nucleocapsid. Transcription and replication are carried out on this N:RNA complex by the viral polymerase complex which consists of two components, the large protein (L) and the phosphoprotein (P). MeV N consists of two regions: a structured N-terminal moiety, N_{CORE} (aa 1–400), which contains all the regions necessary for self-assembly and RNA-binding, and a C-terminal domain, N_{TAIL} (aa 401–525) that is intrinsically unstructured and is exposed at the surface of the viral nucleocapsid.

SPECIFICATION SUMMARY

Antigen: Recombinant Measles virus nucleoprotein.

Host species: Mouse.

Antibody Class: IgG1.

Preservative: None.

SPECIFICITY

This antibody reacts with Measles virus nucleoprotein.

APPLICATIONS

ELISA: use at 0.1-1.0ug/ml.

Immunoblotting: use at 1-5ug/ml. A band of ~60kDa is detected.

Immunocytochemistry: use at 2-10ug/ml on virus-infected cells.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

RECONSTITUTION

Reconstitute in distilled water.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.