

CD46 / Membrane Cofactor Protein Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90004 (clone 3F1)

Format: 100ug, Protein A-purified, lyophilized in PBS.

BACKGROUND

CD46 / Membrane Cofactor Protein is a type I membrane protein and is a regulatory part of the complement system; it has cofactor activity for inactivation of complement components C3b and C4b by serum factor I which protects the host cell from damage by complement. This protein also acts as a receptor for the Edmonston strain of measles virus, human Herpes virus-6 (HHV-6), and type IV pili of pathogenic *Neisseria*. Of interest is that medulloblastoma (a malignant brain tumor common in childhood) specimens express a high level of CD46.

SPECIFICATION SUMMARY

Antigen: Recombinant human CD46.

Host species: Mouse.

Antibody Class: IgG1.

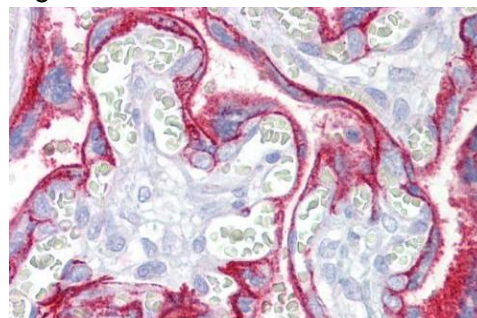
Preservative: None.

SPECIFICITY

This antibody recognizes human CD46.

APPLICATIONS

Immunohistochemistry: use at 1-10ug/ml.



Paraffin-embedded human placenta stained with #90004.

Immunoblotting: use at 0.5-1ug/ml. A band of ~44kDa is detected. Additional bands due to glycosylation of CD46 may be detected.

ELISA: use at 0.1-1ug/ml with human CD46 on the solid phase.

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.