

Epidermal Growth Factor-like Protein 7 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90013 (clone 2H2)
Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

BACKGROUND

EGF-L7 (Epidermal Growth Factor Like Protein 7) is a multi-domain protein containing two EGF like domains and one EMI domain. It is expressed almost exclusively in endothelial cells and functions to promote normal development of the vascular system. EGF-L7 is capable of antagonistic binding to Notch receptors resulting in the inhibition of Notch signaling in HUVEC and neural stem cells. In research models inducing hypoxia and subsequent reoxygenation, (H/R), EGF-L7 can inhibit ICAM-1 expression and enhance the inhibition of NF-kappaB activation. Additionally, EGF-L7 is a chemoattractant for endothelial cells and binds to the extracellular matrix. The overexpression of EGF-L7 is observed in various cancers, and is generally correlated with increased metastasis and a poor prognosis.

SPECIFICATION SUMMARY

Antigen: His-tagged EGFL-7 recombinant protein. Accession no. Q9UHF1.
Host species: Mouse.
Antibody Class: IgG1.
Preservative: None.

SPECIFICITY

This antibody reacts with human EGFL-7 protein.

APPLICATIONS

ELISA: use at 1-10ug/ml.
Immunoblotting: use at 1-5ug/ml. A band of ~30kDa is detected.
Immunohistochemistry: Use at 2-10ug/ml.
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.