

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MAGP-1/MFAP2 in direct ELISAs and Western blots. In direct ELISAs, approximately 35% cross-reactivity with recombinant human MAGP-1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MAGP-1/MFAP2 Gln17-Cys183 Accession # P55002
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MAGP-1 (Microfibril-associated glycoprotein 1; also MFAP-2) is a 30-33 kDa member of the MFAP family of proteins. It is secreted by endothelial and smooth muscle cells. MAGP-1 apparently mediates the release of Notch extracellular domain and also likely binds to type IV collagen and contributes to elastin fiber formation. Mature mouse MAGP-1 is 167 amino acids (aa) in length. It contains a transglutamination site at Gln20, a tyrosine sulfation motif (aa 46-49), two potential O-linked glycosylation sites (Thr56 and Thr76), and a Cys-rich C-terminus that generates intermolecular disulfide bonds. One potential splice variant exists that is strictly intracellular and a second shows a 22 aa substitution for the C-terminal 127 amino acids. Mature mouse MAGP-1 is 94% and 87% aa identical to rat and human MAGP-1, respectively.

PRODUCT SPECIFIC NOTICES

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