

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MFRP in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 30% cross-reactivity with recombinant human (rh) MFRP is observed, 15% cross-reactivity with recombinant mouse (rm) Frizzled-4 is
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MFRP Gln91-Pro584 Accession # Q8K480
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunohistochemistry	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

MFRP is a type II transmembrane protein that is related to a small family of soluble frizzled-related proteins. It is the product of a dicistronic mRNA transcript that codes for two proteins; MFRP and C1qTNF5. Mouse MFRP is 584 amino acids (aa) in length. Its extracellular domain (ECD) of 494 aa contains two CUB and two LDLR class A segments, plus one frizzled domain. At least two splice variants are known in mouse. In isoform 2, amino acid residues 425-431 of isoform 1 is substituted with Lys. Mouse MFRP ECD shares 72% aa identity with human MFRP ECD. In mouse retinal degeneration 6, MFRP is mutated.

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