

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse MFRP Gln91-Pro584 Accession # Q8K480
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	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.

<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Immunohistochemistry</b>	Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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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