

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MFRP in Western blots. In Western blots, approximately 20% cross-reactivity with recombinant human (rh) MFRP is observed, 15% cross-reactivity with recombinant mouse (rm) Frizzled-4 is observed, 10% cross-reactivity with rmFrizzled-1, rmFrizzled-8, and rmFrizzled-10 is observed, 5% cross-reactivity with rhFrizzled-5 is observed, and 1% cross-reactivity with rmFrizzled-3, rmFrizzled-6, and rmFrizzled-7 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MFRP Gln91-Pro584 Accession # Q8K480
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse MFRP

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.