

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Sulfatase Modifying Factor 2/SUMF2 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human SUMF2 or recombinant mouse SUMF1 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 382407
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Sulfatase Modifying Factor 2/SUMF2 Gln34-Leu308 Accession # Q8BPG6
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	1 µg/mL	Recombinant Mouse Sulfatase Modifying Factor 2/SUMF2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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

Sulfatase Modifying Factor 2 (SUMF2) is structurally similar to SUMF1, which activates sulfatases by converting their active site residue cysteine to formylglycine. Functionally, SUMF2 does not activate sulfatases, but rather competes with SUMF1 for the same substrates. The amino acid sequence of mouse SUMF2 is 94%, 83%, 82%, 81% and 72% identical to that of rat, human, canine, chimpanzee and chicken.