

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MEA-1 in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 364605
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse MEA-1 Ala2-Lys174 Accession # Q64327
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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	1 µg/mL	Recombinant Mouse MEA-1

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.
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

MEA-1 is a phylogenetically conserved protein that is highly expressed in primary and secondary spermatocytes and spermatids. It is thought to be essential for embryogenesis, spermatogenesis and sex determination. Mouse MEA-1 shares 99% and 93% amino acid sequence homology with rat and human MEA-1, respectively.