

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ADAM19 Ectodomain in direct ELISAs and Western blots. It also recognizes a C-terminal fragment (amino acids 588-705) of recombinant mouse (rm) ADAM19 in Western blots. In Western blots, no cross-reactivity with rmADAM10 or rmADAM15 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 164646
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse ADAM19 Ectodomain Asp205-Gly705 (predicted) Accession # O35674
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 ADAM19 Ectodomain

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

ADAM19 (a disintegrin and metalloprotease 19; also MADDAM and Meltrin-β) is a 95-100 kDa member of the M12B peptidase family of enzymes. It is expressed on multiple cell types including monocytes, fibroblasts, osteoblasts and dendritic cells. After cleavage of a signal sequence and prodomain, the ectodomain circulates in plasma bound to α2-Macroglobulin. ADAM19 cleaves at sequences present in myelin basic protein, insulin β chain, TNF-α, TRANCE and SCF. Over amino acids (aa) 205-705, mouse ADAM19 shares 87% aa sequence identity with human ADAM19.