

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Nectin-4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross-reactivity with recombinant human Nectin-4, 10% cross-reactivity with recombinant mouse (rm) Nectin-3, and no cross-reactivity with rmNectin-1 or rmNectin-2 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 356704
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Nectin-4 Tyr28-Ile349 Accession # Q8R007
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 Nectin-4

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

Nectin-4 is a type I transmembrane glycoprotein belonging to the Nectin family of Ig superfamily proteins. It is both a homophilic and heterophilic (with Nectin-1) cell adhesion molecule that is expressed in the embryo and in breast carcinoma. A soluble form of Nectin-4 is generated from the membrane protein via the action of TACE/ADAM-17. The extracellular domain of mouse Nectin-4 shares 90% and 95% amino acid sequence homology with the corresponding regions of human and rat Nectin-4, respectively.