

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Epimorphin/Syntaxin 2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 15% cross-reactivity with recombinant mouse Epimorphin is observed.
Source	Monoclonal Rat IgG ₁ Clone # 338824
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Epimorphin/Syntaxin 2 Met1-Arg188 Accession # P32856
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 Human Epimorphin/Syntaxin 2

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

Epimorphin, also known as syntaxin 2, is a member of the highly conserved syntaxin family. It is a type IV integral membrane protein with a C-terminal membrane anchor, and an N-terminal functional domain. Epimorphin can assume membrane topology with the functional domain localized extracellularly or to the cytoplasmic face. Extracellular Epimorphin functions in morphogenesis while intracellular syntaxin 2 functions as a vesicle fusion protein. Mouse Epimorphin functional domain shares 97% and 91% amino acid sequence homology with rat and human Epimorphin, respectively.