

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-16 in direct ELISAs and Western blots. Shows approximately 50% cross-reactivity with recombinant human (rh) IL-16 and no cross-reactivity with rmC-10, rhI-309, rhHCC-4, or rhHCC-1.
Source	Monoclonal Rat IgG _{2B} Clone # 228109
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IL-16 Ser1205-Ser1322 Accession # O54824
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 IL-16

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

Interleukin 16 (IL-16), also known as lymphocyte chemoattractant factor (LCF), refers to the C-terminal peptide of pro-IL-16 isoform 1, which is a nuclear and cytoplasmic PDZ-containing protein. The C-terminus of pro-IL-16 is cleaved by Caspase-3, resulting in the release of secreted IL-16. Mature IL-16 has been shown to bind the cell surface receptor CD4 and functions as an immunomodulatory cytokine.