

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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