

Product datasheet for **DM1025**

IL16 Mouse Monoclonal Antibody [Clone ID: 59]

Product data:

Product Type:	Primary Antibodies
Clone Name:	59
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: IL16 antibody at a concentration of 2.5 µg/ml will allow visualization of 1 ug/lane of human IL-16.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human IL-16.
Specificity:	This antibody reacts to Interleukin-16. IL16 antibody clone 323 exhibits no detectable cross-reacting with human albumin serum, Bovine albumin serum and other human cytokines or growth factors tested such as IL-1beta, IL-8, IL-7 MCAF, TGF-beta 1, EGF, bFGF, GM-CSF, M-CSF, TNF-alpha.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with double distilled water to adjust the final concentration to 1.00 mg/ml.
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 16
Database Link:	Entrez Gene 3603 Human Q14005



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Background:	Interleukin-16 (IL16) is a proinflammatory cytokine that is chemotactic for CD4+ T lymphocytes, monocytes, and eosinophils. IL16 is synthesized as a precursor molecule (pro IL16) of approximately 68 kDa and 631 amino acid residues lacking a signal peptide. The sequence and structure of IL16 is conserved across species. In addition to inducing chemotaxis, IL16 upregulates the IL2 receptor and upregulates HLADR expression. It also inhibits T cell receptor (TCR)/CD3 dependent activation, and suppresses HIV1 replication in vitro. Sources of IL16 include epithelial cells, mast cells, T lymphocytes (CD4+ and CD8+), macrophages, synovial fibroblasts, and eosinophils.
Synonyms:	IL-16, LCF
Protein Families:	Druggable Genome, Secreted Protein