

## Product datasheet for **DM1027**

### IL16 Mouse Monoclonal Antibody [Clone ID: 323]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	323
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> The antibody matches with capture antibody Clone 398 (Cat.-o DM1026) in sandwich ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human IL-16
Specificity:	This antibody reacts to Interleukin-16. MAb 323 exhibits no detectable cross-reacting with human albumin serum, Bovine albumin serum and other human cytokines or growth factors tested such as IL-1 $\beta$ , IL-8, IL-7 MCAF, TGF- $\beta$ 1, EGF, bFGF, GM-CSF, M-CSF, TNF- $\alpha$ .
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with double distilled water is recommended and to adjust the final concentration to 1.00 mg/ml
Concentration:	1.0 mg/ml (after reconstitution)
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 16
Database Link:	<a href="#">Entrez Gene 3603 Human Q14005</a>



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**Background:**

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