

## Product datasheet for **DM1027HRP**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	323
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> In combination with capture antibody Clone 398 (Cat.-No DM1026), this HRP conjugated antibody can be used as a tracer antibody for Human IL-16 detection.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human IL-16
Specificity:	This antibody reacts with natural and recombinant IL-16. No cross-reactivity with Human Serum Albumin, Bovine Serum Albumin and other cytokines or growth factors tested such as IL-1beta, TGF-beta1, TNF-alpha, IL-8, IL-7, MCP-1, EGF, bFGF, GM-CSF.
Formulation:	0.01M PBS, pH 7.0 ± 0.1 in 50% Glycerol and 0.01% Thimerosal as a bacteriostat Label: HRP State: Liquid purified IgG fraction Label: Horseradish Peroxidase
Purification:	Affinity Chromatography on Protein G
Conjugation:	HRP
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

**Protein Families:**

Druggable Genome, Secreted Protein