

## Product datasheet for **DM1026**

### IL16 Mouse Monoclonal Antibody [Clone ID: 398]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	398
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> This antibody can be used as a capture antibody in sandwich ELISA applications for human IL-16 detection in combination with a monoclonal tracer/detection antibody. <i>Suggested Capture Coating Dose:</i> 0.3 µg/well. Substrate: TMB. If the above suggested conditions are followed, approximately 20pg/mL of IL-16 in serum/plasma or 15 pg/mL of IL-16 in cell medium/urine can be detected with an assay range of 0-1000 pg/ml. <b>Western Blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human IL-16
Specificity:	Reactive with natural and recombinant Human IL-16. This monoclonal antibody 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-beta1, 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 1.0 mg/ml
Concentration:	1.0 mg/ml (after reconstitution)
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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<b>Storage:</b>	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	interleukin 16
<b>Database Link:</b>	<a href="#">Entrez Gene 3603 Human</a> <a href="#">Q14005</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	IL-16, LCF