

**ARG10202**  
**anti-IL16 antibody [398]**Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [398] recognizes Human IL-16
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	mAb 398 exhibits no detectable cross-reaction with human serum albumin, bovine serum albumin and other human cytokines or growth factors tested, such as IL-1β, IL-8, IL-7 MCAF, TGF-β1, EGF, bFGF, GM-CSF, M-CSF, TNF-α.
Host	Mouse
Clonality	Monoclonal
Clone	398
Isotype	IgG1, kappa
Target Name	IL16
Antigen Species	Human
Immunogen	Purified recombinant human IL-16
Conjugation	Un-conjugated
Alternate Names	prIL-16; Lymphocyte chemoattractant factor; PRIL16; IL-16; NIL16; LCF; Pro-interleukin-16

### Application Instructions

Application Note	<p>ELISA: 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 (HRP-conjugated, Cat. No.: ARG10203). Suggested Capture Coating Dose: 0.3µg/well; Substrate: TMB.</p> <p>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.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>
Calculated Mw	142 kDa

### Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 3603 Human</a> <a href="#">Swiss-port # Q14005 Human</a>
Gene Symbol	IL16
Gene Full Name	interleukin 16
Background	Interleukin 16 (IL-16) is a pleiotropic cytokine, possessing immunomodulation function to allergic inflammatory diseases such as Crohn's disease and ulcerative colitis. IL-16 utilizes CD4 as its primary receptor. IL-16 is a chemo-attractant to CD4+ T helper 1 cells. To CD4+ T helper 2 cells, IL-16 has an inhibitory effect on the antigen-mediated CD3/T cell receptor activation. IL16 has been shown to suppress HIV infection in lymphocytes and monocytes.
Function	Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4. Isoform 1 may act as a scaffolding protein that anchors ion channels in the membrane. Isoform 3 is involved in cell cycle progression in T-cells. Appears to be involved in transcriptional regulation of SKP2 and is probably part of a transcriptional repression complex on the core promoter of the SKP2 gene. May act as a scaffold for GABPB1 (the DNA-binding subunit the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells. [UniProt]
Highlight	Related Antibody Duos and Panels: <a href="#">ARG30075 IL16 ELISA Antibody Duo</a> Related products: <a href="#">IL16 antibodies</a> ; <a href="#">IL16 ELISA Kits</a> ; <a href="#">IL16 Duos / Panels</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ;
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody