

## ARG66284 anti-IL16 antibody [SQab1747]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [SQab1747] recognizes IL16
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	ELISA, FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	SQab1747
Isotype	IgG1
Target Name	IL16
Species	Human
Immunogen	Recombinant Human IL16 protein.
Conjugation	Un-conjugated
Alternate Names	pIL-16; Lymphocyte chemoattractant factor; PRIL16; IL-16; NIL16; LCF; Pro-interleukin-16

### Application Instructions

Application table	Application	Dilution
	ELISA	1:3000 - 1:10000
	FACS	1:400 - 1:1000
	ICC/IF	1:100 - 1:500
	IHC-P	1:3000 - 1:10000
	WB	1:2500 - 1:5000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Buffer	PBS (pH 7.4) and 0.01% Thimerosal.
Preservative	0.01% Thimerosal
Concentration	1 mg/ml
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.

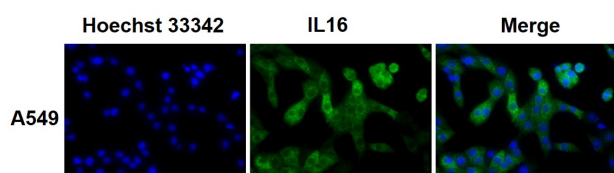
Note

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

## Bioinformation

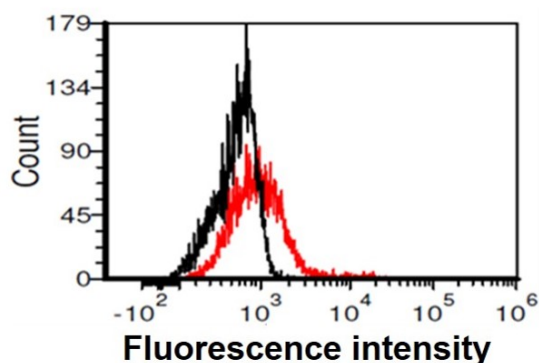
Gene Symbol	IL16
Gene Full Name	interleukin 16
Background	The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]
Function	<p>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.</p> <p>Isoform 1 may act as a scaffolding protein that anchors ion channels in the membrane.</p> <p>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]</p>
Calculated Mw	142 kDa
PTM	Isoform 3 is synthesized as a chemo-attractant inactive precursor in hemopoietic tissues and is proteolytically cleaved by caspase-3 to yield IL-16. [UniProt]

## Images



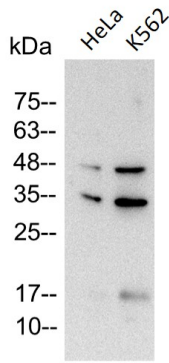
ARG66284 anti-IL16 antibody [SQab1747] ICC/IF image

Immunofluorescence: A549 cells stained with ARG66284 anti-IL16 antibody [SQab1747] at 1:200 dilution.



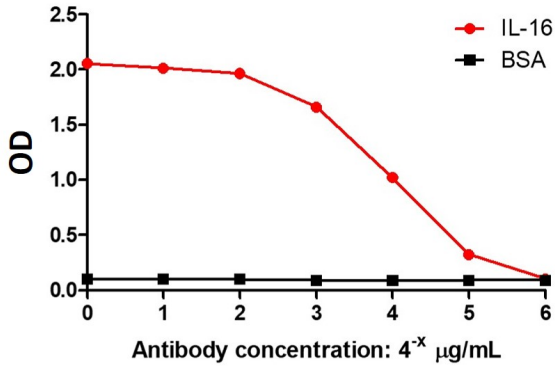
ARG66284 anti-IL16 antibody [SQab1747] FACS image

Flow Cytometry: HeLa cells stained with ARG66284 anti-IL16 antibody [SQab1747] at 1 µg/ml (red) and without antibody control (black).



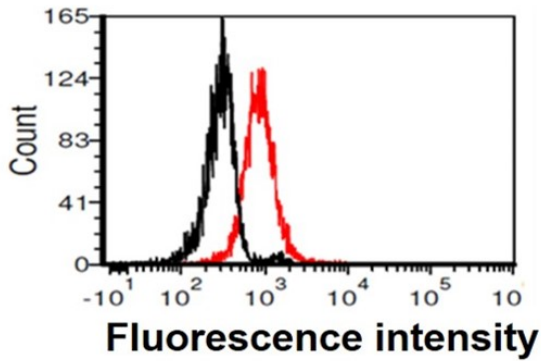
ARG66284 anti-IL16 antibody [SQab1747] WB image

Western blot: 20 µg of HeLa and 30 µg of K562 cell lysates stained with ARG66284 anti-IL16 antibody [SQab1747] at 1:5000 dilution.



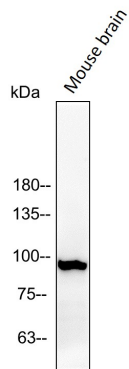
ARG66284 anti-IL16 antibody [SQab1747] ELISA image

ELISA: Titration curve of ARG66284 anti-IL16 antibody [SQab1747] in ELISA. Red: IL16; Black: BSA (negative control).



ARG66284 anti-IL16 antibody [SQab1747] FACS image

Flow Cytometry: K562 cells stained with ARG66284 anti-IL16 antibody [SQab1747] at 1 µg/ml (red) and without antibody control (black).



ARG66284 anti-IL16 antibody [SQab1747] WB image

Western blot: 50 µg of Mouse brain lysate stained with ARG66284 anti-IL16 antibody [SQab1747] at 1:5000 dilution.