

## IL-16 Mouse mAb

CatalogNo: YM0367

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- WB,ELISA

#### MW

- 142kD (Calculated)

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Monoclonal

**Clone Number** 17E3

### Immunogen Information

**Immunogen** Purified recombinant fragment of human IL-16 expressed in E. Coli.

**Specificity** IL-16 Monoclonal Antibody detects endogenous levels of IL-16 protein.

### Target Information

**Gene name** IL16

**Protein Name** Pro-interleukin-16

Organism	Gene ID	UniProt ID
Human	<a href="#">3603</a> ;	<a href="#">Q14005</a> ;
Mouse		<a href="#">O54824</a> ;

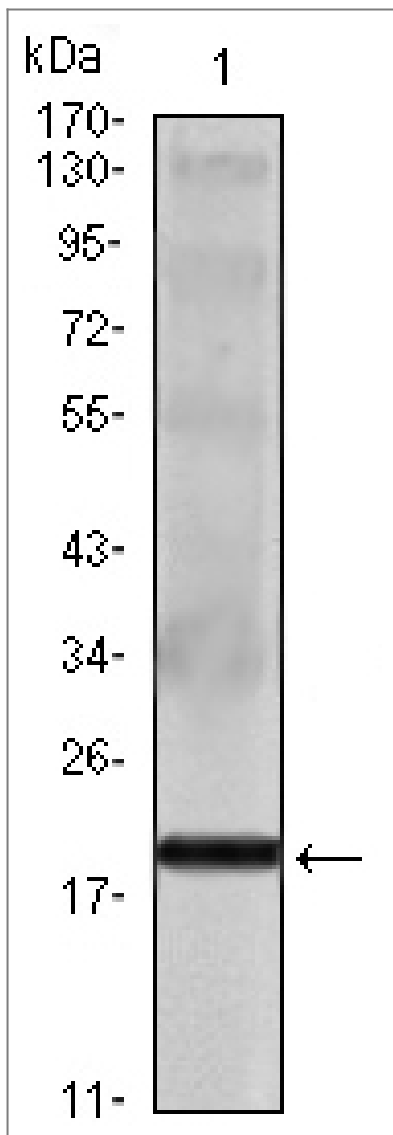
**Cellular Localization** [Interleukin-16]: Secreted.; [Isoform 1]: Cytoplasm .; [Isoform 3]: Cytoplasm. Nucleus.

**Tissue specificity** [Isoform 3]: Expressed in hemopoietic tissues, such as resting T-cells, but undetectable during active T-cell proliferation.

**Function** 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.,Function:Isoform 1 may act as a scaffolding protein that anchors ion channels in the membrane.,Function: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.,induction:Isoform 3 is down-regulated in T-cells after TCR activation.,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.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 2 PDZ (DHR) domains.,similarity:Contains 4 PDZ (DHR) domains.,subunit:Homotetramer (Probable); according (PubMed:9699630) the formation of a homotetrameric protein complex is not required for the chemo-attractant function. Isoform 3 interacts (via PDZ 3 domain) with PPP1R12A, PPP1R12B and PPP1R12C. Isoform 1 interacts with PPP1R12B. Isoform 3 interacts with GRIN2A. Isoform 3 interacts with GABPB1. Isoform 3 interacts (via PDZ 3 domain) with HDAC3. Isoform 1 interacts with GRIN2D, KCNJ10, KCNJ15 and CACNA1C (By similarity). Isoform 3 interacts with HTLV-1 tax.,tissue specificity:Isoform 3 is expressed in hemopoietic tissues, such as resting T-cells, but is undetectable during active T cell proliferation.,

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## | Validation Data



Western Blot analysis using IL-16 Monoclonal Antibody against IL-16 recombinant protein.

## Contact information

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Please scan the QR code to access additional product information:  
**IL-16 Mouse mAb**

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