

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

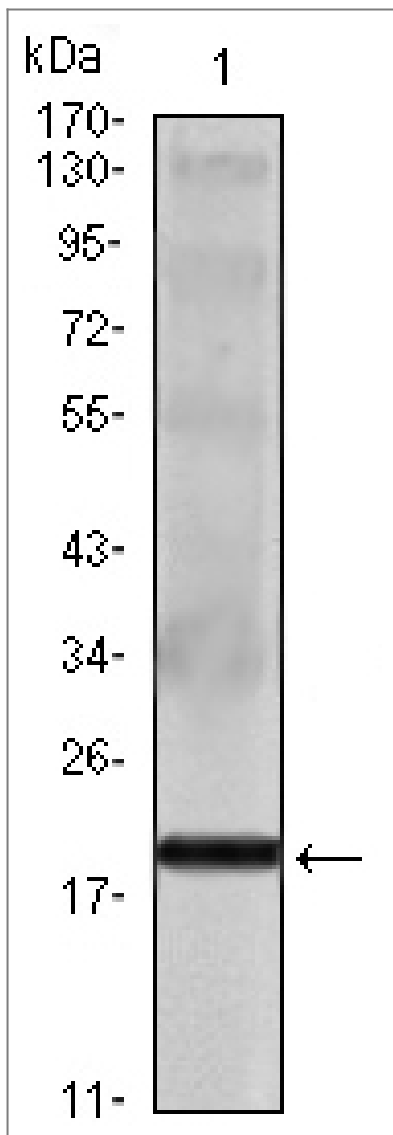
Organism	Gene ID	UniProt ID
Human	3603 ;	Q14005 ;
Mouse		O54824 ;

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.,

| Validation Data



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

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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IL-16 Mouse mAb

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