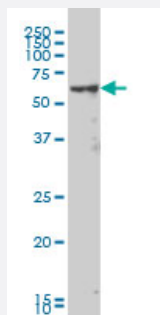


MAK monoclonal antibody (M02), clone 4E9

Catalog # H00004117-M02

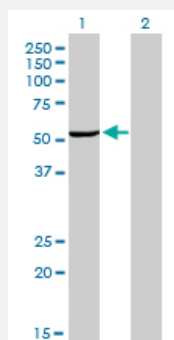
Size 100 ug

Applications



Western Blot (Cell lysate)

MAK monoclonal antibody (M02), clone 4E9 Western Blot analysis of MAK expression in Hela S3 NE (Cat # L013V3).

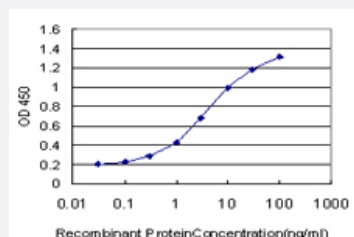


Western Blot (Transfected lysate)

Western Blot analysis of MAK expression in transfected 293T cell line by MAK monoclonal antibody (M02), clone 4E9.

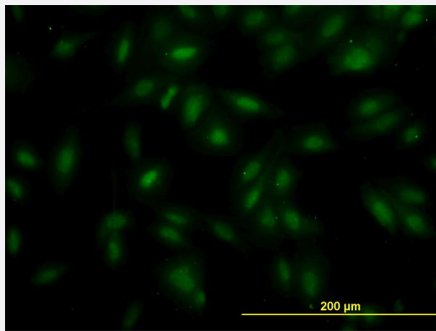
Lane 1: MAK transfected lysate(52.6 KDa).

Lane 2: Non-transfected lysate.



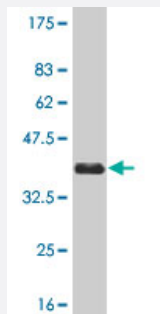
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAK is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MAK on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MAK.
Immunogen	MAK (AAH39825, 358 a.a. ~ 457 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPKQQSQEKPPQTLFPSIVKNMPTKPNGTLSHKSGRRRWGQTIFKSGDSWEELEDYDFGASHSK KPSMGVFKERKKDSPFRQQVKMAVISLSAHQFPTL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MAK monoclonal antibody (M02), clone 4E9 Western Blot analysis of MAK expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MAK expression in transfected 293T cell line by MAK monoclonal antibody (M02), clone 4E9.

Lane 1: MAK transfected lysate(52.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAK is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MAK on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — MAK

Entrez GeneID	4117
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GeneBank Accession#	BC039825
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Protein Accession#	AAH39825
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Gene Name	MAK
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Gene Alias	dJ417M14.2
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Gene Description	male germ cell-associated kinase
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Omim ID	154235
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Gene Ontology	Hyperlink
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Gene Summary

The product of this gene is a serine/threonine protein kinase related to kinases involved in cell cycle regulation. It is expressed almost exclusively in the testis, primarily in germ cells. Studies of the mouse and rat homologs have localized the kinase to the chromosomes during meiosis in spermatogenesis, specifically to the synaptonemal complex that exists while homologous chromosomes are paired. There is, however, a study of the mouse homolog that has identified high levels of expression in developing sensory epithelia so its function may be more generalized. [provided by RefSeq]

Other Designations

OTTHUMP00000016025|serine/threonine protein kinase MAK