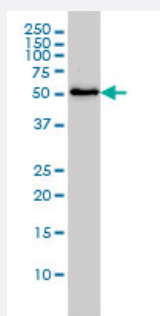


SARS monoclonal antibody (M01), clone 1H4

Catalog # H00006301-M01

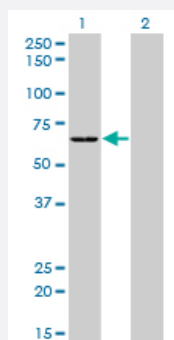
Size 100 ug

Applications



Western Blot (Cell lysate)

SARS monoclonal antibody (M01), clone 1H4 Western Blot analysis of SARS expression in Jurkat (Cat # L017V1).

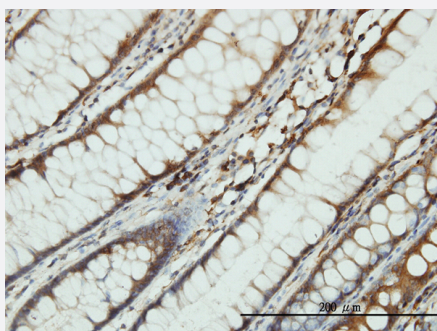


Western Blot (Transfected lysate)

Western Blot analysis of SARS expression in transfected 293T cell line by SARS monoclonal antibody (M01), clone 1H4.

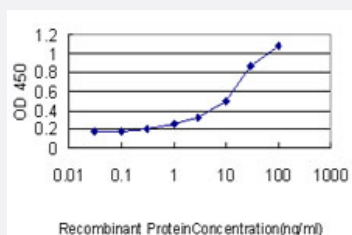
Lane 1: SARS transfected lysate(58.8 KDa).

Lane 2: Non-transfected lysate.



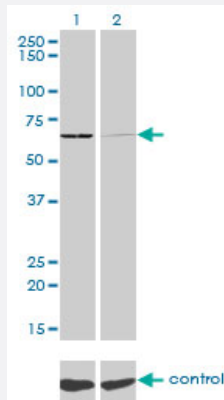
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SARS on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 3 ug/ml]



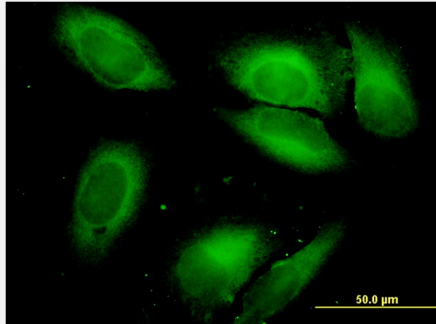
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SARS is approximately 0.03ng/ml as a capture antibody.



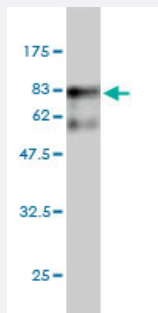
RNAi Knockdown (Antibody validated)

Western blot analysis of SARS over-expressed 293 cell line, cotransfected with SARS Validated Chimera RNAi (Cat # H00006301-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with SARS monoclonal antibody (M01), clone 1H4 (Cat # H00006301-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SARS on HeLa cell. [antibody concentration 25 ug/ml]



Western Blot detection against Immunogen (82.28 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant SARS.

Immunogen

SARS (AAH00716, 1 a.a. ~ 514 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MVLDLDFRVKGGDPALIRETQEKRFKDPGLVDQLVKADSEWRRRCFRADNLNKLKNLCSKTI
GEKMKKKEPVGDDESVPENVLSFDDLTADALANLKVSIKKVRLIDEAILKCD AERIKLEAERFE
NLREIGNLLHPSVPISNDEDVDNKVERIWGDCTVRKKYSHVDLVVMVDGFEGEGKAVVAGSRGY
FLKGVLVFLEQALIQYALRTLGSRGYIPYTPFFMRKEVMQEVAQLSQFDEELYKVIGKGSEKSDDN
SYDEKYLIATSEQPIAALHRDEWLRPEDLPIKYAGLSTCFRQEVGSHGRDTRGIFRVHQFEKIEQFV
YSSPHDNKSWEMFEEMITAEFYSQSLGIPYHVNIVSGSLNHAASKKLDLEAWFPGSGAFRELVS
CSNCTDYQARRLRIRYGQTKMMMDKVEFVHMLNATMCATTRTICAIENYQTEKGITVPEKLKEFM
PPGLQELIPFVKPAPIEQEPSKKQKKQHEGSKKKAAARDVTLENRLQNMEVTD A

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (95)
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (82.28 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)

SARS monoclonal antibody (M01), clone 1H4 Western Blot analysis of SARS expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of SARS expression in transfected 293T cell line by SARS monoclonal antibody (M01), clone 1H4.

Lane 1: SARS transfected lysate(58.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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[Protocol Download](#)

- ELISA

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SARS on HeLa cell. [antibody concentration 25 ug/ml]

Gene Info — SARS

Entrez GeneID	6301
GeneBank Accession#	BC000716
Protein Accession#	AAH00716
Gene Name	SARS
Gene Alias	FLJ36399, SERRS, SERS
Gene Description	seryl-tRNA synthetase
Omim ID	607529
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the class II amino-acyl tRNA family. The encoded enzyme catalyzes the transfer of L-serine to tRNA (Ser) and is related to bacterial and yeast counterparts. [provided by RefSeq]
Other Designations	OTTHUMP00000013432 serine tRNA ligase 1, cytoplasmic serine-tRNA ligase

Publication Reference

- [Mutations of the aminoacyl-tRNA-synthetases SARS and WARS2 are implicated in the aetiology of autosomal recessive intellectual disability.](#)

Musante L, Püttmann L, Kahrizi K, Garshasbi M, Hu H, Stehr H, Lipkowitz B, Otto S, Jensen LR, Tzschach A, Jamali P, Wienker T, Najmabadi H, Ropers HH, Kuss AW.

Human Mutation 2017 Mar; 38(6):621.

Application: IF, Human, HEK 293T cells

- [Competitive binding between Seryl-tRNA synthetase/YY1 complex and NFkB1 at the distal segment results in differential regulation of human vegfa promoter activity during angiogenesis.](#)

Fu CY, Wang PC, Tsai HJ.

Nucleic Acids Research 2017 Mar; 45(5):2423.

Application: ChIP, Human, HEK 293T cells

- [tRNA synthetase counteracts c-Myc to develop functional vasculature.](#)

Shi Y, Xu X, Zhang Q, Fu G, Mo Z, Wang GS, Kishi S, Yang XL.

ELife 2014 Jun; 3:e02349.

Application: IP, Human, HEK 293 cells

- [miR-1 and miR-206 target different genes to have opposing roles during angiogenesis in zebrafish embryos.](#)

Lin CY, Lee HC, Fu CY, Ding YY, Chen JS, Lee MH, Huang WJ, Tsai HJ.

Nature communications 2013 Nov; 4:2829.

Application: WB-Ti, WB-Tr, Zebrafish, Mouse, Embryo, C2C12 cells

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)