

SARS2 mouse monoclonal antibody (hybridoma)

Catalog # H00054938-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant SARS2.
Immunogen	SARS2 (NP_060297.1, 1 a.a. ~ 518 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAASMARRLWPLLTRRGFRPRGGCISNDSPRRSFTTEKRNRNLLYEYAREGYALPQLDIERFCA CPEEAHAHALELRKGELRSADLPAIISTWQELRQLQEQRSLSEEEKAHVTEAVRALLANQDSGEVQ QDPKYQGLRARGREIRKELVHLYPREAQLEEQFYLAALKLPNQTHPDVPVGDESQARVLHMGVD KPVFSFQPRGHLEIGEKLDIRQKRLSHVSGHRSYYLRGAGALLQHGLVNFTFNKLLRRGFTPMTV PDLLRGAVFEGCGMTPNANPSQIYNIDPARFKDLNLAGTAEVGLAGYFMDHTVAFRDLPVVMVC SSTCYRAETNTGQEPRLYRVHHFTKVEMFGVTGPGLEQSSQLLEEFSLQMEILTELGLHFRVL DMPTQELGLPAYRKFDIEAWMPGRGRFGEVTSASNCTDFQSRRLHIMFQTEAGELQFAHTVNAT ACAVPRLLIALLESNQKDGSLVPPALQSYLGTDRITAPTHVPLQYIGPNQPRKPGLPGQPAVS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (86)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SARS2

Entrez GeneID [54938](#)

GeneBank Accession# [NM_017827.2](#)

Protein Accession# [NP_060297.1](#)

Gene Name SARS2

Gene Alias FLJ20450, SARS, SARSM, SERS, SYS, SerRSmt, mtSerRS

Gene Description seryl-tRNA synthetase 2, mitochondrial

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the mitochondrial seryl-tRNA synthetase precursor, a member of the class II tRNA synthetase family. The mature enzyme catalyzes the ligation of Serine to tRNA(Ser) and participates in the biosynthesis of selenocysteinyl-tRNA(sec) in mitochondria. The enzyme contains an N-terminal tRNA binding domain and a core catalytic domain. It functions in a homodimeric form, which is stabilized by tRNA binding. This gene is regulated by a bidirectional promoter that also controls the expression of mitochondrial ribosomal protein S12. Both genes are within the critical interval for the autosomal dominant deafness locus DFNA4 and might be linked to this disease. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations serine tRNA ligase 2, mitochondrial|serine-tRNA ligase, mitochondrial|seryl-tRNA synthetase 2

Pathway

- [Aminoacyl-tRNA biosynthesis](#)