

Rat Major outer-membrane protein ELISA Kit | MOMP elisa kit

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CATALOG #
AAA95922

REACTIVITY
Rat

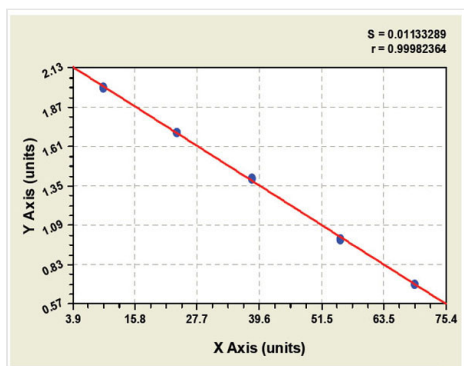
PRODUCT SYNONYMS

Major outer-membrane protein; Rat Major outer-membrane protein ELISA Kit; MOMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This MOMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MOMP. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MOMP elisa kit	Principle of the Assay: MOMP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MOMP antibody and an MOMP-HRP conjugate. The assay sample and buffer are incubated together with MOMP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MOMP concentration since MOMP from samples and MOMP-HRP conjugate compete for the anti-MOMP antibody binding site. Since the number of sites is limited, as more sites are occupied by MOMP from the sample, fewer sites are left to bind MOMP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MOMP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MOMP elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	296272009
NCBI GeneID	9170616
NCBI Accession #	YP_003654640.1
NCBI GenBank Nucleotide #	NC_014166.1
Molecular Weight	41,933 Da
NCBI Official Full Name	major outer membrane protein
NCBI Official Symbol	Arnit_0469
NCBI Protein Information	major outer membrane protein
UniProt Protein Name	Major outer membrane protein
UniProt Entry Name	D5V5U8_ARCNC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.