

Rat Meningioma Expressed Antigen 5 (MGEA5) CLIA Kit | MGEA5 clia kit

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CATALOG # AAA188814	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

Meningioma Expressed Antigen 5 (MGEA5); Rat Meningioma Expressed Antigen 5 (MGEA5) CLIA Kit; Meningioma Expressed Antigen 5; NAGase; MEA5; NCOAT; Hexosaminidase C; N-Acetylhexosaminidase; Hyaluronidase; Meningioma-Expressed Antigen 5; Nuclear Cytoplasmic O-GlcNAcase And Acetyltransferase; MGEA5 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Meningioma Expressed Antigen 5 (MGEA5). No significant cross-reactivity or interference between Meningioma Expressed Antigen 5 (MGEA5) and analogues was observed.
Sequence Length	916
Assay Type	Double-antibody Sandwich
Samples	urine, tissue homogenates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.05ng/mL
Applicable Applications for MGEA5 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Meningioma Expressed Antigen 5 (MGEA5) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Meningioma Expressed Antigen 5 (MGEA5) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Meningioma Expressed Antigen 5 (MGEA5). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Meningioma Expressed Antigen 5 (MGEA5). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Meningioma Expressed Antigen 5 (MGEA5) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18777747
NCBI GeneID	154968
NCBI Accession #	NP_571979.1
NCBI GenBank Nucleotide #	NP_571979.1
UniProt Accession #	Q8VIJ5
NCBI Official Full Name	protein O-GlcNAcase
NCBI Official Synonym Full Names	O-GlcNAcase
NCBI Official Symbol	Oga
NCBI Official Synonym Symbols	Mgea5; Ncoat
NCBI Protein Information	protein O-GlcNAcase
UniProt Protein Name	Protein O-GlcNAcase
UniProt Gene Name	Mgea5
UniProt Synonym Gene Names	Hexc; Mea5; OGA

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-clia-kits/meningioma-expressed-antigen-5-mgea5/188814>