

Mouse Matrix Metalloproteinase 2 (MMP2-Ab) ELISA Kit | MMP2-Ab elisa kit

Mouse Matrix Metalloproteinase 2 Antibody (MMP2-Ab) ELISA Kit

CATALOG #
AAA332425

REACTIVITY
Mouse

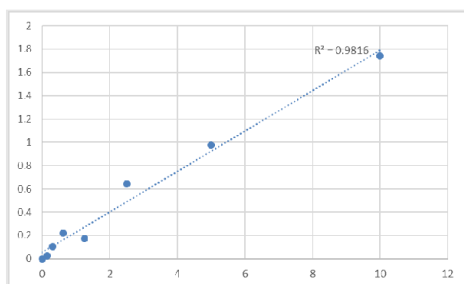
PRODUCT SYNONYMS

Matrix Metalloproteinase 2 (MMP2-Ab); Mouse Matrix Metalloproteinase 2 Antibody (MMP2-Ab) ELISA Kit; MMP2-Ab; antibody for CLG4; CLG4A; MMP-II; MONA; TBE-1; collagenase type IV-A; matrix metalloproteinase 2; matrix metalloproteinase-II; neutrophil gelatinase matrix metalloproteinase 2 (gelatinase A; 72kDa gelatinase; 72kDa type IV collagenase) (MMP2); Gelatinase A; Gel A; MMP2-Ab elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Matrix metalloproteinase 2 antibody (MMP2-Ab) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse MMP2-Ab. No significant cross-reactivity or interference between Mouse MMP2-Ab and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Matrix metalloproteinase 2 antibody (MMP2-Ab) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MMP2-Ab elisa kit	Description: This Mouse Matrix metalloproteinase 2 antibody (MMP2-Ab) ELISA Kit employs a two-site sandwich ELISA to quantitate MMP2-Ab in samples. An antibody specific for MMP2-Ab has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP2-Ab present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP2-Ab is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MMP2-Ab bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MMP2 is a member of the matrix metalloproteinase (MMP) gene family, that are zinc-dependent enzymes capable of cleaving components of the extracellular matrix and molecules involved in signal transduction. The protein encoded by this gene is a gelatinase A, type IV collagenase, that contains three fibronectin type II repeats in its catalytic site that allow binding of denatured type IV and V collagen and elastin. Unlike most MMP family members, activation of this protein can occur on the cell membrane. This enzyme can be activated extracellularly by proteases, or, intracellularly by its S-glutathiolation with no requirement for proteolytical removal of the pro-domain. This protein is thought to be involved in multiple pathways including roles in the nervous system, endometrial menstrual breakdown, regulation of vascularization, and metastasis. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.
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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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