

ARG83526

arigoQIK™ Human MMP9 ELISA Development Kit

Package: 1 kit(5 plates), 1 kit
(15 plates)
Store at: 4°C, -20°C

Summary

Product Description

ARG83526 arigoQIK™ Human MMP9 ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution.

This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human MMP9 in serum, plasma and cell culture supernatants.

For other reagents required for [arigoQIK™ ELISA Development Kit](#), please refer [ARG83524 Integral Reagent Kit \(ELISA Development Kit\)](#)

[More about arigoQIK™:](#)

- Optimized capture and detection antibody pairs
- Reduced incubation time and wash cycles
- 2-hour quicker than conventional ELISA process
- 5- and 15-plate packages available

Tested Reactivity

Hu

Tested Application

ELISA

Target Name

MMP9

Conjugation

HRP

Conjugation Note

Substrate: TMB and read at 450 nm.

Sensitivity

7.81 pg/ml

Sample Type

Serum, plasma and cell culture supernatants.

Standard Range

15.63 - 1000pg/ml

Sample Volume

50 µl

Alternate Names

MMP9; Matrix Metalloproteinase 9; CLG4B; Matrix Metalloproteinase 9 (Gelatinase B, 92kDa Gelatinase, 92kDa Type IV Collagenase); Matrix Metalloproteinase-9; EC 3.4.24.35; MMP-9; GELB; Matrix Metalloproteinase 9 (Gelatinase B, 92kDa Gelatinase, 92kDa Type IV Collagenase); 92 KDa Type IV Collagenase; Macrophage Gelatinase; Type V Collagenase; 92 KDa Gelatinase; Gelatinase B; EC 3.4.24; MANDP2

Properties

Storage instruction

Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol

MMP9

Gene Full Name

Matrix Metalloproteinase 9

Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted

as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq, Jul 2008]

Function Degrades fibronectin but not laminin or Pz-peptide. [UniProt]

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PTM Disulfide bond, Glycoprotein, Zymogen. [UniProt]

Cellular Localization Extracellular matrix, Secreted. [UniProt]