ARG83820

arigoQIK® Human MMP-3 ELISA Development Kit

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

Summary

Product Description	ARG83820 arigoQIK® Human MMP-3 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 MMP-3 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 aboutarigoQIK® : ● 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	MMP3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	8 pg/mL
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.63-1000 pg/mL
Sample Volume	50 µL
Alternate Names	MMP3, Matrix Metallopeptidase 3, STMY1, Matrix Metalloproteinase 3 (Stromelysin 1, Progelatinase), Stromelysin 1, EC 3.4.24.17, Transin 1, MMP 3, SL 1, STMY, Matrix Metalloproteinase 3, Proteoglycanase, Stromelysin 1, EC 3.4.24, CHDS6, STR1

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	MMP3
Gene Full Name	Matrix Metallopeptidase 3
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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage

	proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Function	Metalloproteinase with a rather broad substrate specificity that can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates different molecules including growth factors, plasminogen or other matrix metalloproteinases such as MMP9. [UniProt]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
PTM	O-glycosylated. Phosphorylated in the head and rod regions by the PKC kinase PKN1, leading to the inhibition of polymerization. Ubiquitinated in the presence of TRIM2 and UBE2D1. [UniProt]