

Product Datasheet

MMP-12 ELISA Development Kit

DDXK-E-MMP12-1

Unit Size: 1 Kit (for 3 Plates)

Storage of components varies. See protocol for specific instructions.

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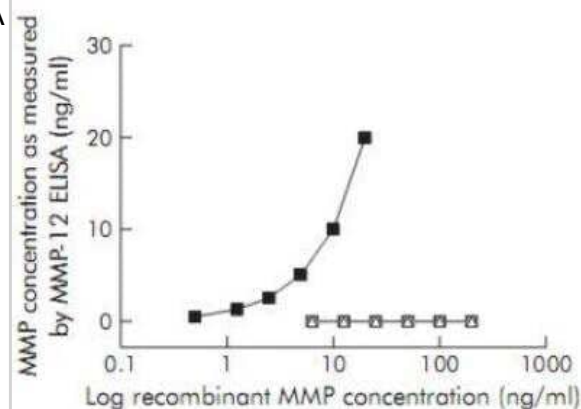


DDXK-E-MMP12-1**MMP-12 ELISA Development Kit**

Product Information	
Unit Size	1 Kit (for 3 Plates)
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	The human HME-MMP12 ELISA kit is for the quantitative determination of human HME-MMP12 in human cell culture supernatants, plasma, serum, and various biological fluids (sputum). This ELISA kit contains the specific components required for the development of human HMEMMP12 sandwich ELISAs. Each kit contains sufficient materials to run ELISAs on 3 X 96-well plates. The DDX HME-MMP12 ELISA kit is a solid phase sandwich ELISA (Enzyme-Linked Immunosorbent Assay). The capture monoclonal antibody specific for HME-MMP12 is coated on a 96-well plate. Standards and samples are added to the wells, and any HME-MMP12 present binds to the immobilized antibody. The wells are washed and a HRPO-conjugated anti-HME-MMP12 monoclonal antibody is then added, producing an antibody-antigen-antibody "sandwich". To produce color in proportion to the amount of HME-MMP12 present in the sample, TMB substrate solution is loaded and absorbance is measured at 620 nm.
Gene ID	4321
Gene Symbol	MMP12
Species	Human
Kit Components	Capture Antibody: 0.5 mg/mL of mouse anti-HME-MMP12 monoclonal antibody (clone 705D10), Detection Antibody: 0.5mg/mL of HRPO-conjugated anti-HME-MMP12 mouse monoclonal antibody (clone 706F9.01), Standard: Each vial contains a solution of recombinant HME-MMP12 (concentration indicated on the vial) produced, purified and concentrated from transfected eukaryotic cells. A 8 point standard curve using 2-fold serial dilutions in sample dilution buffer
Notes	This product is manufactured by Eurobio Scientific (formerly Dendritics) and distributed by Novus Biologicals.
Standard Curve Range	0.008 - 1 ug/ml
Sensitivity	<50pg/ml
Assay Type	Sandwich ELISA
Suitable Sample Type	Human cell culture supernatants and biological fluids (plasma, serum, sputum)
Sample Volume	100 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA
Application Notes	The human HME-MMP12 ELISA kit is for quantitative determination of HME-MMP12 concentrations in human cell culture supernatants and biological fluids (plasma, serum, sputum). This kit is for research purpose only.

Images

ELISA: MMP-12 ELISA Kit [DDXK-E-MMP12-1] - Specificity of the ELISA for MMP-12. Detection of serial dilution of recombinant MMP-12 protein by the ELISA. (Black blocks) No recombinant MMP-1 (triangle), MMP-3 (upside down triangle), or MMP-9 (open square)



Publications

Lapan P et al. Optimization of total protein and activity assays for the detection of MMP-12 in induced human sputum. BMC Pulm Med 2010-08-02 [PMID: 20678199]

Demets IK et al. Elevated MMP-12 protein levels in induced sputum from patients with COPD. Thorax 2006-03-01 [PMID: 16308335]



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Products Related to DDXK-E-MMP12-1

210-TA-005	TNF-alpha [Unconjugated]
NBP2-67344	MMP-12 Antibody (SR03-23)
DMP900	MMP-9 [HRP]
MMP200	MMP-2 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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