

Datasheet for KOA0313**Mouse TIMP-1 ELISA Kit****Overview**

Description:	Mouse TIMP-1 AccuSignal ELISA Kit - KOA0313
Item No.:	KOA0313
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	TIMP metalloproteinase inhibitor 1, also known as TIMP1, a tissue inhibitor of metalloproteinases, is a glycoprotein that is expressed from the several tissues of organisms. This protein is a member of the TIMP family. It was found to reside at Xp11.4-p11.1. This is the first growth factor found to be X-linked. The glycoprotein is a natural inhibitor of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. What's more, TIMP1 is thought to play a regulatory role in connective tissues by forming inactive complexes with those metalloproteinases that are normally responsible for connective tissue turnover.
Synonyms:	C-C chemokine receptor type 5, CC-CKR-5, CCR5, CCR5_HUMAN, CD195, CHEMR13, CLGI, Collagenase inhibitor, Erythroid potentiating activity, Fibroblast collagenase inhibitor, HCl, HIV-1 fusion coreceptor, Human Collagenase Inhibitor, Metalloproteinase inhibitor 1, Metalloproteinase inhibitor 1 precursor, TIMP, TIMP metalloproteinase inhibitor 1, TIMP1 protein1, Tissue inhibitor of metalloproteinases, Tissue inhibitor of metalloproteinase 1 erythroid potentiating activity collagenase inhibitor
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name: TIMP1

Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: C25-R205
Purity/Specificity:	Natural and recombinant mouse TIMP-1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P12032 • NCBI - NP_001037849.1 • GeneID - 21857 • KOA0313 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse TIMP-1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse TIMP-1 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	31.2 pg/ml-2000 pg/ml
Other:	DOE: 2-8° C - 09/02/2020 -20° C - 03/03/2021

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

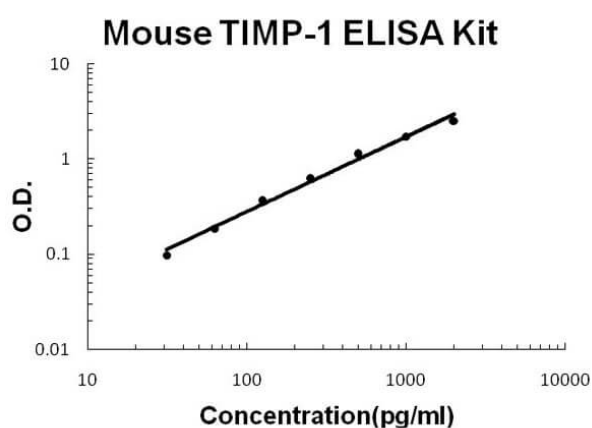
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images



ELISA

Mouse TIMP-1 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.