



## Human Metalloproteinase inhibitor 3/TIMP-3/MIG-5 ELISA Kit (2 plates)

<b>Catalogue No.:</b>	BEK-2099-2P
<b>Description:</b>	<p>The human Metalloproteinase inhibitor 3 (TIMP-3) Kit is a sandwich ELISA. The capture antibody is a monoclonal human TIMP-3 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known TIMP-3 concentration are added to these wells and allowed to complex with the bound TIMP-3 antibody. A biotinylated human TIMP-3 monoclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of TIMP-3 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human TIMP-3 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.</p> <p>The matrix metalloproteinases (MMPs) are a large family of zinc endopeptidases that degrade extracellular matrix components such as fibronectin and collagen type III. The tissue inhibitors of metalloproteinase (TIMPs) complex with these matrix metalloproteinases and irreversibly inactivate them. The TIMP proteins are homologous and are either secreted in soluble form (TIMP1, TIMP2 and TIMP4) or bind to extracellular matrix components (TIMP3). Metalloproteinase inhibitor 3 (TIMP3) is known to inhibit MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15.</p>
<b>Batch No.:</b>	See product labels
<b>Antigen:</b>	The standard and antigen is recombinant TIMP-3 amino acids 24-211 produced in and purified from mammalian cell line tissue culture.
<b>Sequence:</b>	CTCSPSHPQDAFCNSDIVIRAKVVGKKLVKEGPFGLVYTIKQMKMYRGFTKMPHVQYIH TEASESLCGLKLEVNKYQYLLTGRVYDGMKMYTGLCNFVERWDQLTLSQRKGLNRYHLCG NCKIKSCYYLPCFVTSKNECLWTDMLSNFGYPGYQSKHYACIRQKGGYCSWYRGWAPPDK SIINATDP
<b>Other Names:</b>	Tissue inhibitor of metalloproteinases 3; TIMP-3; MIG-5; TIMP3;
<b>Accession:</b>	P35625 TIMP3_HUMAN;
<b>Specificity:</b>	Human TIMP-3
<b>Storage:</b>	Store at 4°C
<b>Kit components:</b>	The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.
<b>Range:</b>	156 pg/ml - 10, 000 pg/ml
<b>Sensitivity:</b>	< 2 pg/ml
<b>Kit protocol:</b>	Please refer to our online product listing for current protocol/MSDS versions.

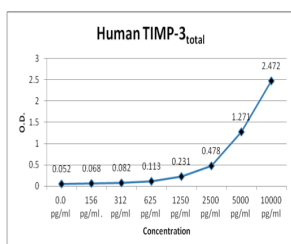
FOR RESEARCH USE ONLY



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Concentration pg/ml	0.0 pg/ml	156 pg/ml	312 pg/ml	625 pg/ml	1250 pg/ml	2500 pg/ml	5000 pg/ml	10000 pg/ml
O.D.	0.052	0.068	0.082	0.113	0.231	0.478	1.271	2.472

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



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