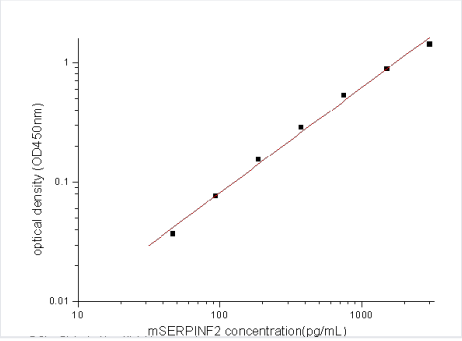
Alpha 2 Antiplasmin/Serpinf2 (SerpinF2) ELISA Pair

PRODUCT OVERVIEW

Product Name	Alpha 2 Antiplasmin/SerpinF2, ELISA Pair
Full Product Name	Alpha 2 Antiplasmin/SerpinF2 Matched ELISA Antibody Pair Set, Mouse
Product Gene Name	SerpinF2 elisa pair
Product Synonym Names	Mouse SerpinF2 ELISA Pair Set; serpin peptidase inhibitor, clade F, member 2; AI747498 Matched ELISA Antibody Pair Set, Mouse; Pli Matched ELISA Antibody Pair Set, Mouse; Serpimf2 Matched ELISA Antibody Pair Set, Mouse
Assay Type	Solid Phase Sandwich ELISA
Detection Range	46.88-3000pg/mL
Sensitivity	46.88pg/ml
Specificity	Quantitative determination of Mouse Alpha 2 Antiplasmin/SerpinF2
Preparation and Storage	Capture Antibody: Aliquot and store at -20 degree C to -80 degree C for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles. Detection Antibody: Protect it from prolonged exposure to light. Aliquot and store at -20 degree C to -80 degree C and for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles. Standard: Store lyophilized standard at -20 degree C to -80 degree C for up to 6 months from date of receipt. Aliquot and store the reconstituted Standard at -80 degree C for up to 1 month. Avoid repeated freeze-thaw cycles.
Materials Provided	1. Capture Antibody 0.3 mg/mL of mouse anti-mouse SerpinF2 monoclonal antibody. Dilute to a working concentration of 2ug/mL in CBS before coating. 2. Detection Antibody 0.4 mg/mL rabbit anti-mouse SerpinF2 polyclonal antibody conjugated to horseradish-peroxidase (HRP). Dilute to working concentration of 0.5ug/mL in detection antibody dilution buffer before use.3. Standard Each vial contains 45 ng of recombinant mouse SerpinF2. Reconstitute with 1 mL detection antibody dilution buffer. After reconstitution, store at -20 degree C to -80 degree C in a manual defrost freezer. A seven-point standard curve using 2-fold serial dilutions in sample dilution buffer, and a high standard of 3ng/mL is recommended.
Related Product Information for SerpinF2 elisa pair	SerpinF2, also known as alpha-2 antiplasmin (alpha-2 AP), is a member of the Serpin superfamily. SerpinF2 is the principal physiological inhibitor of serine protease plasmin, and as well as, an efficient inhibitor of trypsin and chymotrypsin. This protease is produced mainly by liver and kidney, and also expressed in muscle, intestine, central nervous system, and placenta at a moderate level. It is indicated that Serpin F2 is a key regulator of plasmin-mediated proteolysis in these tissues. Alpha-2 AP is an unusual serpin in that it contains extensive N-and C-terminal sequences flanking the serpin domain. The N-terminal sequence is crosslinked to fibrin by factor XIIIa, whereas the C-terminal region mediates the initial interaction with plasmin. SerpinF2 is one of the inhibitors of fibrinolysis, which acts as the primary inhibitor of plasmin(ogen). It is a specific plasmin inhibitor, and is important in modulating the effectiveness and persistence of fibrin with respect to its susceptibility to digestion and removal by plasmin. Alpha-2 AP plays the dominant role in inhibiting both plasma clot lysis and thrombus lysis, and accordingly, the congenital deficiency of Alpha-2 antiplasmin causes a rare bleeding disorder because of increased fibrinolysis. Thus, it may be a useful target for developing more effective treatment of thrombotic diseases. This Alpha 2 Antiplasmin/SerpinF2 Matched ELISA Antibody Pair Set, Mouse is a solid phase sandwich ELISA for quantitative determination of Mouse Alpha 2 Antiplasmin/SerpinF2. It contains Mouse Alpha 2 Antiplasmin/SerpinF2 capture antibody, Mouse Alpha 2 Antiplasmin/SerpinF2 detector antibody (HRP) and a highly purified HEK293-expressed recombinant Mouse Alpha 2 Antiplasmin/SerpinF2 protein.
Product References and Citations for SerpinF2 elisa pair	Lee KN, et al. (2004) Alpha2-antiplasmin: potential therapeutic roles in fibrin survival and removal. Curr Med Chem Cardiovasc Hematol Agents. 2(4): 303-10.Matsuno H. (2006) Alpha2-antiplasmin on cardiovascular diseases. Curr Pharm Des. 12(7): 841-7.Burnouf T, et al. (2007) Impact of Triton X-100 on alpha 2-antiplasmin (SERPINF2) activity in solvent/detergent-treated plasma. Biologicals. 35(4): 349-53.Carpenter SL, et al. (2008) Alpha2-antiplasmin and its deficiency: fibrinolysis out of balance. Haemophilia. 14(6): 1250-4.

Other Notes	Small volumes of SerpinF2 elisa pair vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SerpinF2 purchase	MBS8118481 is an ELISA pair targeting SerpinF2. Also known as Alpha 2 Antiplasmin/SerpinF2 Matched ELISA Antibody Pair Set, Mouse.



Testing Data of SerpinF2 elisa pair

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SerpinF2. It may not necessarily be applicable to this product.

Protein Family	Alpha-2-antiplasmin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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