

Mouse Prostasin AccuSignal ELISA Kit - KOA0749
Code: KOA0749

Size: 1 Kit

Product Description: Mouse Prostasin AccuSignal ELISA Kit - KOA0749

PhysicalState:

Label	Unconjugated
Gene Name	PRSS8
Species Reactivity	Mouse
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.
Synonyms	2410039E18Rik, AI313909, C79772, CAP1, Channel Activating Protease 1, mCAP1, Proctasin, Proctasin heavy chain, protease, serine, 8, Prss8, PRSS8_HUMAN, Serine protease 9
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml mouse Proctasin 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, plasma(heparin, EDTA) or urine to each empty well. We recommend that each mouse Proctasin standard solution and each sample is measured in duplicate.
Background	Proctasin is a protein that in humans is encoded by the PRSS8 gene. It is a single-copy gene and mapped to 16p11.2. Proctasin is likely to be the more physiologically relevant protease. This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. Coexpression of Proctasin with either Xenopus or rat ENaC in Xenopus oocytes resulted in a 60% to 80% increase in amiloride-sensitive sodium currents, and that the addition of aprotinin, a serine protease inhibitor, completely prevented this activation. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of lysine or arginine.
Purity And Specificity	Natural and recombinant mouse Proctasin. There is no detectable cross-reactivity with other relevant proteins.
ELISA	0.78ng/ml-50ng/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: A30-Q289
Anti-Coagulant	Heparin Sodium

Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

UniProtKB - Q9ESD1

<http://www.uniprot.org/uniprot/Q9ESD1>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_579929.1

GeneID - 76560

<http://www.ncbi.nlm.nih.gov/gene/76560>

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