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Datasheet for ABIN6720348
PRSS8 ELISA Kit

Overview

Quantity:	1 kit
Target:	PRSS8
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 2410039E18Rik, AI313909, C79772, CAP1, Channel Activating Protease 1, mCAP1, Prostasin, Prostasin heavy chain, protease, serine, 8, Prss8, PRSS8_HUMAN, Serine protease 9</p> <p>Background: Prostasin is a protein that in humans is encoded by the PRSS8 gene. It is a single-copy gene and mapped to 16p11.2. Prostasin 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 Prostasin 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</p>

Product Details

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.

Gene Name: PRSS8

Production: Natural and recombinant mouse Prostatin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A30-Q289

Target Details

Target:	PRSS8
Alternative Name:	Prostatin (PRSS8 Products)
Gene ID:	76560
NCBI Accession:	NP_579929
UniProt:	Q9ESD1

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL mouse Prostatin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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 Prostatin standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 0.78 ng/mL-50 ng/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: 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.