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Datasheet for ABIN6720206
S100A9 ELISA Kit

Overview

Quantity:	1 kit
Target:	S100A9
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Leukocyte L1 complex heavy chain, CAGB, Calgranulin B, Calprotectin L1H subunit, CFAG, CGLB, Cystic fibrosis antigen, Cystic fibrosis antigen B, L1AG, Leukocyte L1 complex heavy chain, LIAG, MAC 387, MAC387, MIF, Migration inhibitory factor related protein 14, Migration inhibitory factor-related protein 14, MRP14, Myeloid-related protein 14, NIF, P14, S100 A9, S100 calcium binding protein A9, S100 calcium binding protein A9 calgranulin B, S100 calcium-binding protein A9, S10A9_HUMAN</p> <p>Background: Protein S100A9 also known as migration inhibitory factor-related protein 14 (MRP-14) or calgranulin-B is a protein that is encoded by the S100A9 gene. S100A9 is a member of</p>

Product Details

the S100 family of proteins containing 2 EF hand calcium-binding motifs. It is mapped to Chromosome 3 in mouse. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. This protein may function in the inhibition of casein kinase. S100A9 complexes with S100A8, another member of the S100 family of calcium-modulated proteins regulates myeloid cell function by binding to Toll-like receptor-4 (TLR-4) and the receptor for advanced glycation end products.

Gene Name: S100A9

Production: Natural and recombinant mouse S100A9. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A2-K113

Target Details

Target:	S100A9
Alternative Name:	S100A9 (S100A9 Products)
Gene ID:	20202
NCBI Accession:	NP_001268781
UniProt:	P31725
Pathways:	Transition Metal Ion Homeostasis , Positive Regulation of Endopeptidase Activity , S100 Proteins

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse S100A9 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 or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse S100A9 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Application Details

Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

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.