Procalcitonin (PCT) ELISA Kit for Donkey

PRODUCT OVERVIEW

Product Name	Procalcitonin (PCT), ELISA Kit
Full Product Name	Donkey Procalcitonin ELISA Kit
Product Gene Name	PCT elisa kit
Species Reactivity	Donkey
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	13,145 Da
3D Structure	ModBase 3D Structure for P50116
Related Product Information for PCT elisa kit	MBS095012 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Procalcitonin (PCT) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PCT. The ELISA analytical biochemical technique of the MBS095012 kit is based on PCT antibody-PCT antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PCT antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PCT. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PCT elisa kit 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.

ADDITIONAL DETAILS

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

NCBI GI #	16758364
NCBI GeneID	94195
NCBI Accession #	NP_446039.1
UniProt Primary Accession #	P50116
UniProt Secondary Accession #	Q761U7
UniProt Related Accession #	P50116
GenBank Nucleotide #	NM_053587.1
NCBI Official Full Name	protein S100-A9
NCBI Official Synonym Full Names	S100 calcium binding protein A9
NCBI Official Symbol	S100a9
NCBI Official Synonym Symbols	Mrp14
UniProt Protein Name	Protein S100-A9
UniProt Synonym Protein Names	Calgranulin-B; Migration inhibitory factor-related protein 14; MRP-14; p14; Myeloid-related protein 14; S100 calcium-binding protein A9
UniProt Gene Name	S100a9

UniProt Synonym Gene Names	Mrp14; MRP-14; p14
UniProt Entry Name	S10A9_RAT
NCBI Protein Information	protein S100-A9; p14; MRP-14; calgranulin-B; myeloid-related protein 14; intracellular calcium-binding protein (MRP14); migration inhibitory factor-related protein 14; S100 calcium binding protein A9 (calgranulin B); S100 calcium-binding protein A9 (calgranulin B)
NCBI Summary for PCT	calcium binding protein that may be associated with acute inflammatory processes [RGD, Feb 2006]
UniProt Comments for PCT	S100A9: a calcium-binding regulatory protein of the S-100 family expressed by macrophages in acutely inflammated tissues and in chronic inflammations. May be an inhibitor of protein kinases. Also expressed in epithelial cells constitutively or induced during dermatoses. May interact with components of the intermediate filaments in monocytes and epithelial cells. Interacts with CEACAM3 in a calcium-dependent manner. Protein type: Motility/polarity/chemotaxis; Calcium-binding; Cytoskeletal Cellular Component: extracellular space; cytoskeleton; cytoplasm; plasma membrane; nucleus Molecular Function: arachidonic acid binding; antioxidant activity; RAGE receptor binding; zinc ion binding; microtubule binding; calcium ion binding Biological Process: caspase activation; neutrophil chemotaxis; chronic inflammatory response; leukocyte chemotaxis; response to lipopolysaccharide; positive regulation of peptide secretion; leukocyte migration during inflammatory response; response to ethanol; response to zinc ion; actin cytoskeleton reorganization; autophagy; innate immune response; regulation of integrin biosynthetic process; positive regulation of inflammatory response
Research Articles on PCT	**1.** Data indicate that serum calprotectin levels correlated with serum levels of TNF-alpha and IL6 in TNBS colitis.
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