

Human Cathepsin S ELISA Kit

Catalog No: #EK5439

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Description

Product Name	Human Cathepsin S ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,Q17-I331&S109-I331
Other Names	Cathepsin S; 3.4.22.27; CTSS;
Accession No.	P25774
Uniprot	P25774
GeneID	1520;
Cell Localization	Lysosome.

Application Details

sensitivity:10pg mlDetect Range:62.5pg ml-4000pg ml
 sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
 capture_antibody:monoclonal antibody from mouse
 detection_antibody:polyclonal antibody from goat
 gene_name:CTSS
 protein_name:Cathepsin S
 full_name:Cathepsin S
 tissue_specificity:sequence_similarities:tmb_incubation:20-25min
 research_category:immunology|adaptive immunity|mhc|class ii|cell type markers|non-cd|apc|cell biology|proteolysis / ubiquitin|proteolytic enzymes|cysteine protease|cathepsins|kits/ lysates/ other|kits|elisa kits|adaptive immune components elisa kits

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Cathepsin S

Background

protein_function: Thiol protease. Key protease responsible for the removal of the invariant chain from MHC class II molecules. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L and cathepsin N. Cathepsin S, also known as CTSS, is a protein that in humans is encoded by the CTSS gene. A member of the peptidase C1 family, CTSS gene is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. By fluorescence in situ hybridization (FISH), this gene is mapped to 1q21.3. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L and cathepsin N.

Note: This product is for in vitro research use only