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Anti-S100A4 Reference Antibody (LK-1)

Recombinant Antibody
Catalog # APR10469

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P26447
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	11729

Additional Information

Target/Specificity	S100A4
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

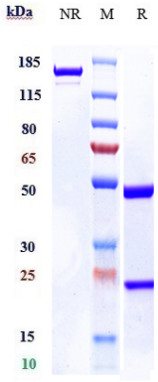
Protein Information

Name	S100A4
Synonyms	CAPL, MTS1
Function	Calcium-binding protein that plays a role in various cellular processes including motility, angiogenesis, cell differentiation, apoptosis, and autophagy (PubMed:16707441, PubMed:23752197, PubMed:30713770). Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (PubMed:16707441). Mechanistically, promotes filament depolymerization and increases the amount of soluble myosin-IIA, resulting in the formation of stable protrusions facilitating chemotaxis (By similarity). Also modulates the pro-apoptotic function of TP53 by binding to its C-terminal transactivation domain within the nucleus and reducing its protein levels (PubMed:23752197). Within the extracellular space, stimulates cytokine production including granulocyte colony- stimulating factor and CCL24 from T-lymphocytes (By similarity). In addition, stimulates T-lymphocyte chemotaxis by acting as a chemoattractant complex with PGLYRP1 that promotes lymphocyte migration via CCR5 and CXCR3 receptors (PubMed:26654597, PubMed:30713770). Secreted. Nucleus Cytoplasm {ECO:0000250|UniProtKB:P07091}

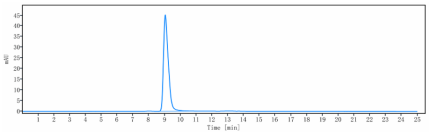
Cellular Location

Tissue Location Ubiquitously expressed.

Images



Anti-S100A4 Reference Antibody (LK-1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.



The purity of Anti-S100A4 Reference Antibody (LK-1) is more than 95%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.