

Anti-S100A4 Reference Antibody (AX-202)

Catalog # APR11704

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P26447
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP-opti-noK
Calculated MW	11729

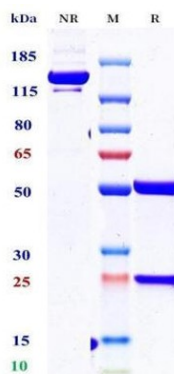
Additional Information

Target/Specificity	S100A4
Expression system	CHO

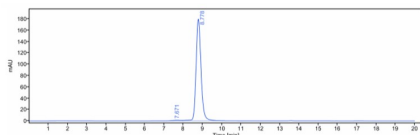
Protein Information

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).
Cellular Location	Secreted. Nucleus Cytoplasm {ECO:0000250 UniProtKB:P07091}
Tissue Location	Ubiquitously expressed.

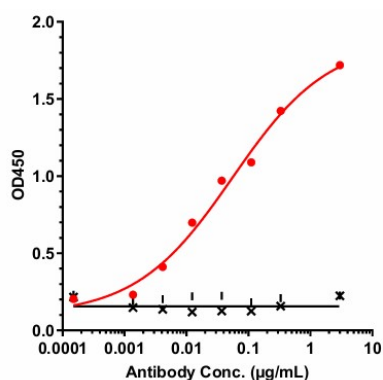
Images



Anti-S100A4 Reference Antibody (AX-202) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-S100A4 Reference Antibody (AX-202) is 98.91%, determined by SEC-HPLC.



Immobilized N-hFC huS100A4 at 2 ug/mL can bind AX-202, The EC50 is 0.05538 µg/mL.

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