

Datasheet for ABIN7320928
S100A9 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	S100A9
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This S100A9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse S100a9 protein (His Tag)
Sequence:	2A-113K
Characteristics:	A DNA sequence encoding the Mouse S100a9(P31725) (2A-113K) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Immunogen(E-AB-40341)

Target Details

Target:	S100A9
Alternative Name:	S100a9 (S100A9 Products)
Background:	Background: S100A9 is a calcium- and zinc-binding protein which plays a prominent role in the

Target Details

regulation of inflammatory processes and immune response. It can induce neutrophil chemotaxis, adhesion, can increase the bactericidal activity of neutrophils by promoting phagocytosis via activation of SYK, PI3K/AKT, and ERK1/2 and can induce degranulation of neutrophils by a MAPK-dependent mechanism. Predominantly found as calprotectin (S100A8/A9) which has a wide plethora of intra- and extracellular functions. The intracellular functions include: facilitating leukocyte arachidonic acid trafficking and metabolism, modulation of the tubulin-dependent cytoskeleton during migration of phagocytes and activation of the neutrophilic NADPH-oxidase.

Synonym: Leukocyte L1 complex heavy chain,60B8AG,CAGB,Calgranulin B,Calgranulin-B,Calprotectin L1H subunit,CFAG,CGLB,Cystic fibrosis antigen B,L1AG,Leukocyte L1 complex heavy chain,L1AG,MAC387,MIF,Migration inhibitory factor related protein 14,Migration inhibitory factor-related protein 14,MRP 14,MRP-14,MRP14,Myeloid-related protein 14,NIF,OTTHUMP00000015331,p14,Protein S100-A9,S100 A9,S100 calcium binding protein A9,S100 calcium binding protein A9 calgranulin B,S100 calcium-binding protein A9,S100A9,S10A9

Molecular Weight: 14.3kDa

UniProt: [P31725](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

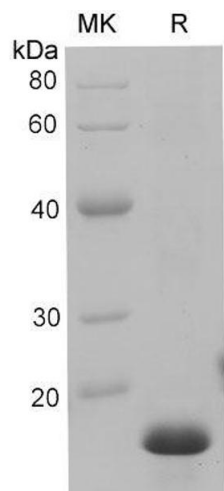
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.