

Recombinant Mouse S100A9 protein ab109951

1 References [画像数 1](#)

製品の詳細

製品名	Recombinant Mouse S100A9 protein
精製度	> 90 % SDS-PAGE. ab109951 was purified using conventional chromatography.
発現系	Escherichia coli
アクセッション番号	<u>P31725</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Mouse
配列	<p>MGSSHHHHHHSSGLVPRGSHMANKAPSQMERSITTIIDTF</p> <p>HQYSRKEGHP</p> <p>DTLSKKEFRQMVEAQLATFMKKEKRNEALINDIMEDLDTNQD</p> <p>NQLSFEEC MMLMAKLIFACHEKLHENNPRGHGSHGKGCGK</p>
予測される分子量	15 kDa including tags
領域	1 to 113
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab109951** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Mass Spectrometry
	SDS-PAGE
質量分析	MALDI-TOF
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine)

関連情報

機能

Calcium-binding protein. Has antimicrobial activity towards bacteria and fungi. Important for resistance to invasion by pathogenic bacteria. Up-regulates transcription of genes that are under the control of NF-kappa-B. Plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS) (By similarity). Promotes tubulin polymerization when unphosphorylated. Promotes phagocyte migration and infiltration of granulocytes at sites of wounding. Plays a role as a pro-inflammatory mediator in acute and chronic inflammation and up-regulates the release of IL8 and cell-surface expression of ICAM1. Extracellular calprotectin binds to target cells and promotes apoptosis. Antimicrobial and proapoptotic activity is inhibited by zinc ions.

組織特異性

Expressed by macrophages in acutely inflamed tissues and in chronic inflammation. Detected in peripheral blood leukocytes, in neutrophils and granulocytes. Detected at sites of vascular inflammation (at protein level). Also expressed in epithelial cells constitutively or induced during dermatoses.

配列類似性

Belongs to the S-100 family.
Contains 2 EF-hand domains.

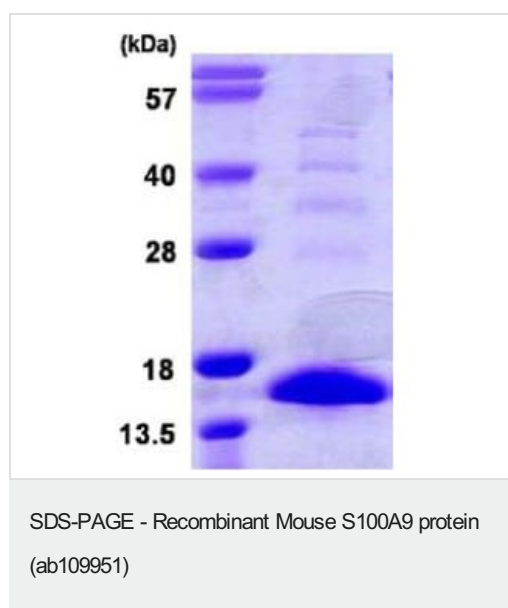
翻訳後修飾

Phosphorylated. Phosphorylation inhibits activation of tubulin polymerization.

細胞内局在

Secreted. Cytoplasm. Cytoplasm > cytoskeleton. Cell membrane. Associates with tubulin filaments in activated monocytes. Targeted to the cell surface upon calcium influx. Released from blood leukocytes upon exposure to CSF2/GM-CSF, bacterial lipopolysaccharide (LPS) and during inflammatory processes. Serum levels are high in patients suffering from chronic inflammation.

画像



15% SDS-PAGE analysis of ab109951 (3µg)

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