

Product datasheet

Anti-S100A9 antibody [47-8D3] ab24111

★★★★★ 1 Abreviews 6 References

製品の概要

製品名	Anti-S100A9 antibody [47-8D3]
製品の詳細	Mouse monoclonal [47-8D3] to S100A9
由来種	Mouse
アプリケーション	適用あり: IHC-Fr, IHC-P, ELISA, WB
種交差性	交差種: Human
免疫原	Tissue/ cell preparation of peripheral blood monocyte components (Human).
ポジティブ・コントロール	Lysate of human monocytes or granulocytes.
特記事項	Can be used for phenotypical characterization of macrophages and myelomonocytic cells in situ.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Protein G purified
一次抗体 備考	Can be used for phenotypical characterization of macrophages and myelomonocytic cells in situ.
ポリ/モノ	モノクローナル
クローン名	47-8D3
ミエローマ	NS1
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab24111** 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	Abreviews	特記事項
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★★	1/100.
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 14 kDa.

ターゲット情報

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.

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