

# Anti-S100A8 & S100A9 [5.5] mAb

**Catalogue number:** 151056

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Nancy Hogg

**Institute:** Cancer Research UK, London Research Institute: Lincoln's Inn Fields

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-S100A8 & S100A9 [5.5] mAb

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** S100A8 (MRP-8) and S100A9 (MRP-14) are cytosolic calcium-binding proteins of 8kDa and 14kDa that form a heterodimer. S100A8 and S100A9 are expressed in secretory and inflamed keratinocytes, peripheral blood monocytes, neutrophils and has been described in platelets, dendritic cells and some T cell types. Expression is lost on tissue maturation of monocytes to macrophages. S100A9 may be associated with monocyte and neutrophil activation and the accumulation of these cells in inflammatory sites.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Acute monocytic leukaemia cells.

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** This antibody was used to detect S100A8/S100A9 in neutrophil extracts (Hogg et al., 1989) This antibody was used to detect S100A8/S100A9 in Human monocyte and neutrophil extracts (Edgeworth et al., 1991)

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** S100A8 (MRP-8) & S100A9 (MRP-14)

**Target alternate names:**

**Target background:** S100A8 (MRP-8) and S100A9 (MRP-14) are cytosolic calcium-binding proteins of 8kDa and 14kDa that form a heterodimer. S100A8 and S100A9 are expressed in secretory and inflamed keratinocytes, peripheral blood monocytes, neutrophils and has been described in platelets, dendritic cells and some T cell types. Expression is lost on tissue maturation of monocytes to macrophages. S100A9 may be associated with monocyte and neutrophil activation and the accumulation of these cells in inflammatory sites.

**Molecular weight:** 37 kDa

**Ic50:**

## Applications

**Application:** ELISA ; FACS ; IHC ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Davies et al. 1998. Curr Biol. 8(12):725-7. PMID: 9637927. ; Formation of RuvABC-Holliday junction complexes in vitro. ; Eggleston et al. 1997. Cell. 89(4):607-17. PMID: 9160752. ; In vitro reconstitution of the late steps of genetic recombination in E. coli.

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