

## Anti-Calprotectin Antibody [S100A9/1075] - BSA and Azide free (A253110)

### Specifications:

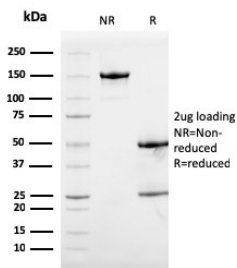
Name:	Anti-Calprotectin Antibody [S100A9/1075] - BSA and Azide free
Description:	Mouse monoclonal [S100A9/1075] antibody to Calprotectin.
Specificity:	<p>This antibody stains the cytoplasm of macrophages and histiocytes in hematopoietic organs, Kupffers cells of the liver and Langerhans cells of the skin. It also stains the mantle zone B-lymphocytes of the lymph node and spleen, spermatogonia, and chief cells of the stomach. S100A9 is expressed by macrophages in acutely inflamed tissues and in chronic inflammation. It is detected in peripheral blood leukocytes, in neutrophils and granulocytes. It is present at sites of vascular inflammation. S100A9 is also expressed in epithelial cells constitutively or induced during dermatoses. S100A9 is a Calcium-binding protein. It has antimicrobial activity towards bacteria and fungi. It is important for resistance to invasion by pathogenic bacteria. It up-regulates transcription of genes that are under the control of NF-kappa-B. S100A9 plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS). It promotes tubulin polymerization when unphosphorylated. It also promotes phagocyte migration and infiltration of granulocytes at sites of wounding. It 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.</p>
Applications:	Flow Cytometry, IF, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human, Rat
Immunogen:	Recombinant human S100A9 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	S100A9/1075
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.

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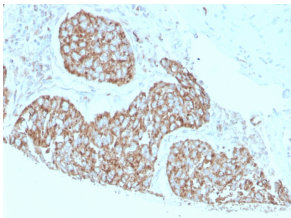
## Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-Calprotectin Antibody [S100A9/1075] (A249930).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

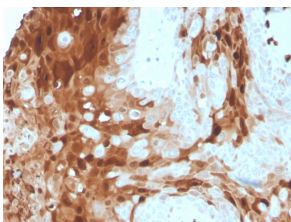
## Images:



SDS-PAGE analysis of Anti-Calprotectin Antibody [S100A9/1075] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human breast carcinoma using Anti-Calprotectin Antibody [S100A9/1075].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human skin carcinoma using Anti-Calprotectin Antibody [S100A9/1075].