abcam

Product datasheet

Anti-Calprotectin (S100A8 + S100A9) antibody [B314.1 (MAC 387)] ab130234

1 References

Overview

Product name	Anti-Calprotectin (S100A8 + S100A9) antibody [B314.1 (MAC 387)]
Description	Mouse monoclonal [B314.1 (MAC 387)] to Calprotectin (S100A8 + S100A9)
Host species	Mouse
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Rabbit, Guinea pig, Cat, Dog, Pig, Monkey, Baboon
Immunogen	Tissue, cells or virus corresponding to Human S100A9+S100A8.
Positive control	Human tonsil, lymph Node or spleen tissues.
General notes	Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good dilutent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Please see notes section.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.88% Sodium chloride, Dialysed media, Fetal calf serum, 0.24% Tris, 0.12% Boric Acid, Carrier protein, Carrier polysaccharides
Purity	Immunogen affinity purified
Clonality	Monoclonal

Clone number	B314.1 (MAC 387)
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab130234 in the following tested applications.

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

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Prolonged fixation in buffered formalin can destroy the epitope.

Target

Cellular localization S100A9: 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. S100A8: Secreted. Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane. Predominantly localized in the cytoplasm. Upon elevation of the intracellular calcium level, translocated from the cytoplasm to the cytoskeleton and the cell membrane. Upon neutrophil activation or endothelial adhesion of monocytes, is secreted via a microtubule-mediated, alternative pathway.

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