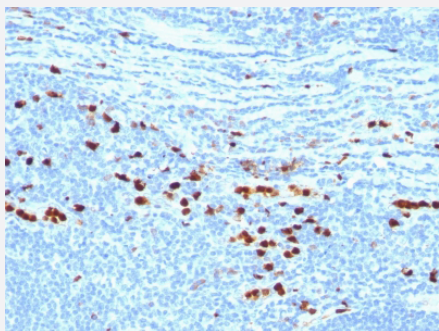


# Macrophage monoclonal antibody, clone MAC387

Catalog # MAB14600      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with Macrophage monoclonal antibody, clone MAC387 (Cat # MAB14600).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against macrophage L1 protein.
<b>Immunogen</b>	Affinity purified monocyte membrane preparation.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	12-14
<b>Reactivity</b>	Human
<b>Specificity</b>	Recognizes the L1 or calprotectin molecule, an intra-cytoplasmic antigen comprising of a 12 kDa alpha chain and a 14 kDa beta chain expressed by granulocytes, monocytes and by tissue macrophages. This antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown as an important marker for identifying macrophages in tissue sections.
<b>Form</b>	Liquid
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG1, kappa

<b>Recommend Usage</b>	Flow Cytometry (0.5-1 ug/million cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
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<b>Storage Buffer</b>	In 1 mM PBS.
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<b>Storage Instruction</b>	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.
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## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with Macrophage monoclonal antibody, clone MAC387 (Cat # MAB14600).

- Immunofluorescence

- Flow Cytometry

## Gene Info — S100A8

<b>Entrez GeneID</b>	<a href="#">6279</a>
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<b>Protein Accession#</b>	<a href="#">P05109; P06702</a>
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<b>Gene Name</b>	S100A8
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<b>Gene Alias</b>	60B8AG, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8
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<b>Gene Description</b>	S100 calcium binding protein A8
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<b>Omim ID</b>	<a href="#">123885</a>
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<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
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<b>Gene Summary</b>	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq]
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## Other Designations

OTTHUMP00000015329|OTTHUMP00000015330|S100 calcium-binding protein A8|S100 calcium-binding protein A8 (calgranulin A)|calgranulin A|cystic fibrosis antigen

## Gene Info — S100A9

## Entrez GeneID

[6280](#)

## Protein Accession#

[P05109; P06702](#)

## Gene Name

S100A9

## Gene Alias

60B8AG, CAGB, CFAG, CGLB, L1AG, LIAG, MAC387, MIF, MRP14, NIF, P14

## Gene Description

S100 calcium binding protein A9

## Omim ID

[123886](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq]

## Other Designations

OTTHUMP00000015331|S100 calcium-binding protein A9|S100 calcium-binding protein A9 (calgranulin B)|calgranulin B

## Publication Reference

- [Identification of tissue histiocytes on paraffin sections by a new monoclonal antibody.](#)

Flavell DJ, Jones DB, Wright DH.

The Journal of Histochemistry and Cytochemistry 1987 Nov; 35(11):217.

Application: IHC-P, IP, WB-Ce, Human, Brains, Granulocytes, Gut, Kidney, Livers, Monocytes, Lymph nodes

## Disease

- [Aggressive Periodontitis](#)
- [Dermatitis](#)

- [Dermatitis](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Calculi](#)
- [Kidney Calculi](#)
- [Periodontitis](#)