

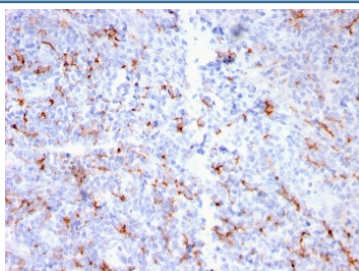
Recombinant S100A9 + Calprotectin Antibody [clone MAC3157R] (V8070)

Catalog No.	Formulation	Size
V8070-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8070-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8070SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

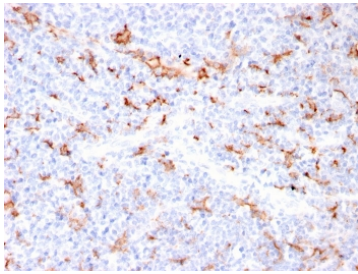
Recombinant **RABBIT MONOCLONAL**

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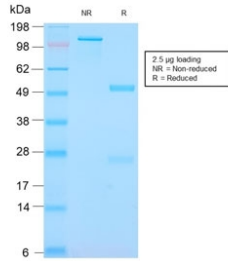
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MAC3157R
Purity	Protein A affinity chromatography
UniProt	P06702
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant S100A9 + Calprotectin antibody is available for research use only.



IHC staining of FFPE human tonsil with recombinant S100A9 + Calprotectin antibody (clone MAC3157R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with recombinant S100A9 + Calprotectin antibody (clone MAC3157R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant S100A9 + Calprotectin antibody (clone MAC3157R) as confirmation of integrity and purity.

Description

Recognizes the L1 or Calprotectin molecule, an intra-cytoplasmic antigen comprising of a 12kDa alpha chain and a 14kDa beta chain expressed by granulocytes, monocytes and by tissue macrophages. Macrophages usually arise from hematopoietic stem cells in the bone marrow. Under migration into tissues, the monocytes undergo further differentiation to become multifunctional tissue macrophages. They are classified into normal and inflammatory macrophages. Normal macrophages include macrophages in connective tissue (histiocytes), liver (Kupffer's cells), lung (alveolar macrophages), lymph nodes (free and fixed macrophages), spleen (free and fixed macrophages), bone marrow (fixed macrophages), serous fluids (pleural and peritoneal macrophages), skin (histiocytes, Langerhans's cell) and in other tissues. Inflammatory macrophages are present in various exudates. Macrophages are part of the innate immune system, recognizing, engulfing and destroying many potential pathogens including bacteria, pathogenic protozoa, fungi and helminthes. This MAb reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown as an important marker for identifying macrophages in tissue sections.

Application Notes

Optimal dilution of the recombinant S100A9 + Calprotectin antibody should be determined by the researcher.

Immunogen

An affinity purified monocyte membrane preparation was used as the immunogen for this recombinant S100A9 + Calprotectin antibody.

Storage

Store the recombinant S100A9 + Calprotectin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

