

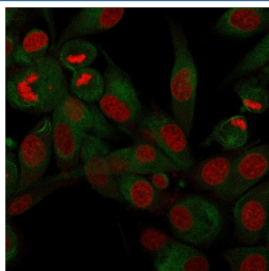
Recombinant CD68 Antibody [clone rLAMP4/824] (V8260)

Catalog No.	Formulation	Size
V8260-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8260-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8260SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

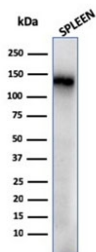
Recombinant **MOUSE MONOCLONAL**

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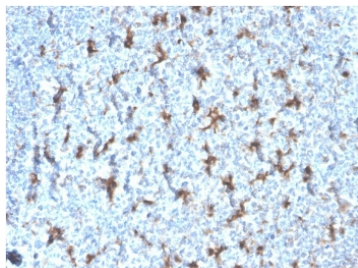
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rLAMP4/824
Purity	Protein G affinity chromatography
UniProt	P34810
Localization	Cell surface, cytoplasmic
Applications	Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant CD68 antibody is available for research use only.



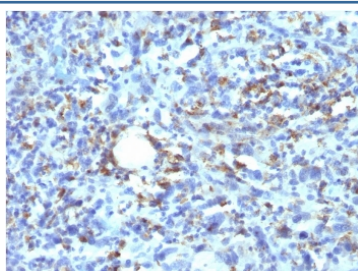
Immunofluorescent staining of permeabilized human U-87 MG cells with recombinant CD68 antibody (clone rLAMP4/824, green) and Reddot nuclear stain (red).



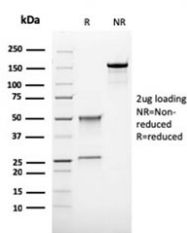
Western blot testing of human spleen lysate with recombinant CD68 antibody. Expected molecular weight: 37-110 kDa depending on glycosylation level.



IHC staining of FFPE human tonsil with recombinant CD68 antibody (clone rLAMP4/824). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE human histiocytoma with recombinant CD68 antibody (clone rLAMP4/824). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant CD68 antibody (clone rLAMP4/824) as confirmation of integrity and purity.

Description

This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68. It is important for identifying macrophages in tissue sections. It stains macrophages in a wide variety of human tissues, including Kupffer cells and macrophages in the red pulp of the spleen, in lamina propria of the gut, in lung alveoli, and in bone marrow. It reacts with myeloid precursors and peripheral blood granulocytes. It also reacts with plasmacytoid T cells, which are supposed to be of monocyte/macrophage origin. It shows strong granular cytoplasmic staining of chronic and acute myeloid leukemia and also reacts with rare cases of true histiocytic neoplasia. Lymphomas are negative or show few granules.

Application Notes

Optimal dilution of the recombinant CD68 antibody should be determined by the researcher.

Immunogen

A recombinant full-length human protein was used as the immunogen for this recombinant CD68 antibody.

Storage

Store the recombinant CD68 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

