CD68 (Macrophage Marker) Antibody

Mouse Monoclonal Antibody [Clone C68/684]

Catalog No	Format	Size
968-MSM2-P0	Purified Ab with BSA and Azide	200ug/ml
968-MSM2-P1	Purified Ab with BSA and Azide	200ug/ml
968-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml.

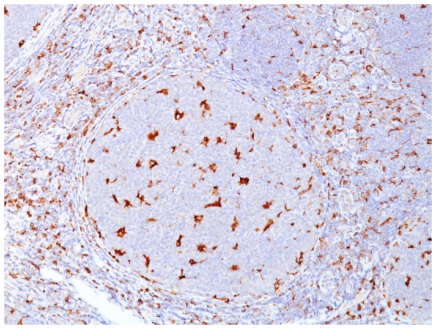
Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details

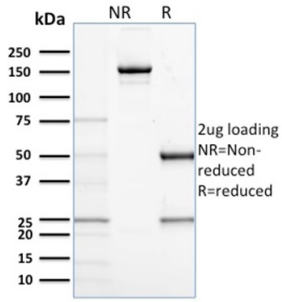
Clone	C68/684
Gene Name	CD68
Immunogen	Recombinant human CD68 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	110kDa
Cellular Localization	Cell membrane, Endosome membrane, Lysosome membrane
Species Reactivity	Human, Monkey, Mouse, Rat
Positive Control	lymph node or spleen., Tonsil, U87MG cells

**Optimal dilution for a specific application should be determined.*

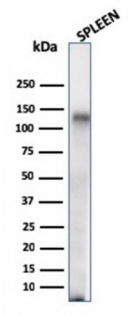
Product Images for CD68 (Macrophage Marker) Antibody



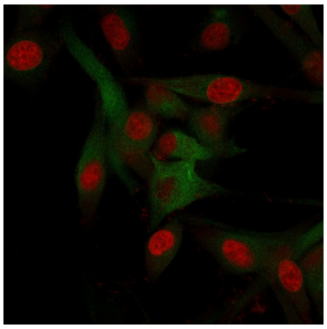
Formalin-fixed, paraffin-embedded human Tonsil stained with CD68 Mouse Monoclonal Antibody (C68/684).



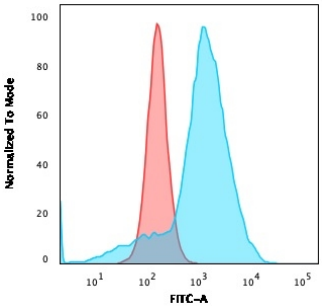
SDS-PAGE Analysis Purified CD68 Mouse Monoclonal Antibody (C68/684).



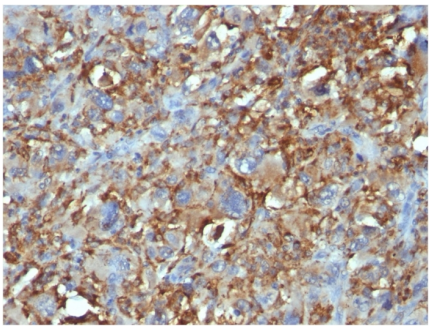
Western Blot Analysis of human Spleen tissue lysate using CD68 Mouse Monoclonal Antibody (C68/684).



Immunofluorescence staining of U87MG cells using CD68 Mouse Monoclonal Antibody (C68/684) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot



Flow Cytometric Analysis of U87MG cells using CD163 Mouse Monoclonal Antibody (M130/3296) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Formalin-fixed, paraffin-embedded human Histiocytoma stained with CD68 Mouse Monoclonal Antibody (C68/684).

Specificity & Comments

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 histiocyticneoplasia. Lymphomas are negative or show few granules.

Research Areas

Hematopoietic Stem Cells, Immunology

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Immunofluorescence (1-2ug/ml) | Flow Cytometry (1-2ug/million cells) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA &azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 510-376-5603
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

NeoBiotechnologies
Your Partner in Proteome Research