

Datasheet for ABIN6941241

anti-CD68 antibody

6 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD68
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CD68 protein
Clone:	C68-684
Isotype:	IgG1 kappa
Specificity:	<p>This antibody recognizes a glycoprotein of 110 kDa, 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.</p>

Product Details

Purification: Purified by Protein A/G

Target Details

Target: CD68

Alternative Name: CD68 ([CD68 Products](#))

Molecular Weight: 110kDa

Gene ID: 968

UniProt: [P34810](#)

Application Details

Application Notes: Positive Control: U87MG cells, Tonsil, Lymph Node or Spleen.
Known Application: Western Blot (1-2 µg/mL), Immunofluorescence (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

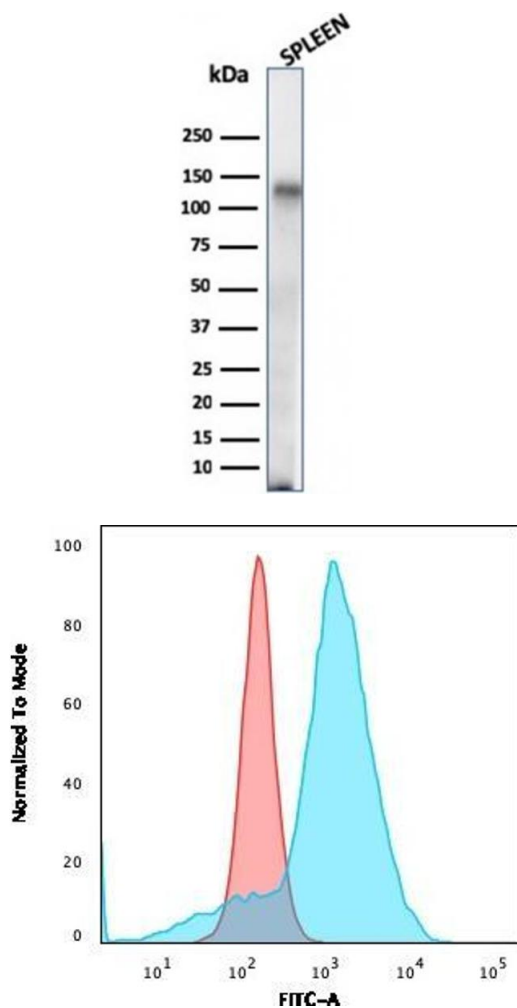
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: 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.

Expiry Date: 24 months

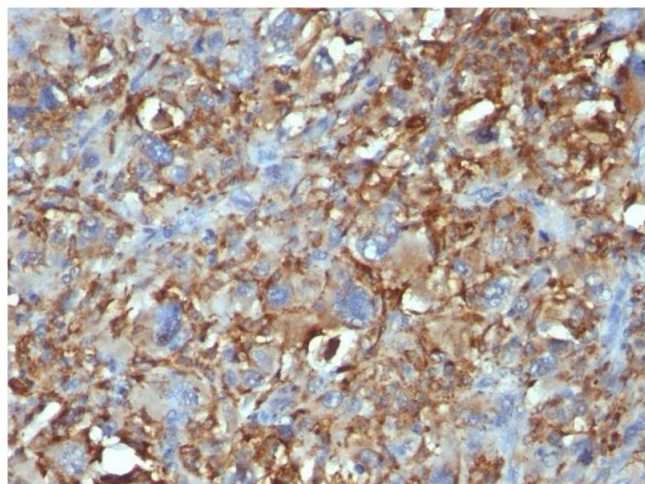


Western Blotting

Image 1. Western Blot Analysis of human Spleen tissue lysate using CD68 Mouse Monoclonal Antibody (C68/684).

Flow Cytometry

Image 2. Flow Cytometric Analysis of U87MG cells using CD163 Mouse Monoclonal Antibody (M130/3296) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Histiocytoma stained with CD68 Mouse Monoclonal Antibody (C68/684).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6941241.