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Datasheet for ABIN6941249

Recombinant anti-CD68 antibody

3 Images

Overview

Quantity:	100 µg
Target:	CD68
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human LAMP4 / CD68 protein
Clone:	C68-2908R
Isotype:	IgG
Specificity:	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 histiocytic neoplasia.

Product Details

Lymphomas are negative or show few granules.

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: Tonsil, Lymph Node or Spleen.
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 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.

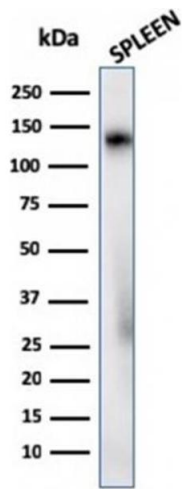
Preservative: Sodium azide

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

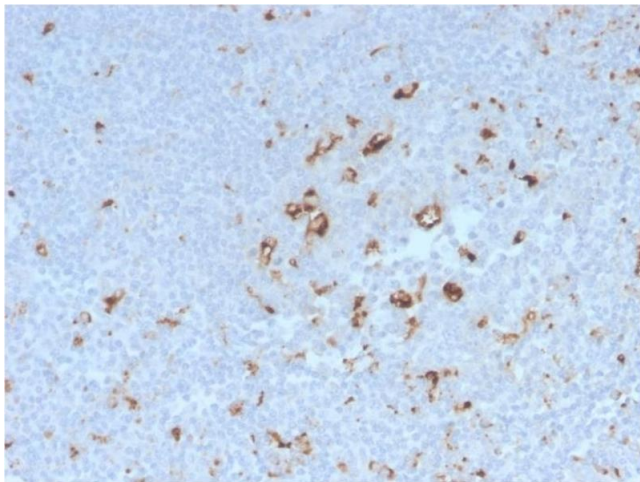
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



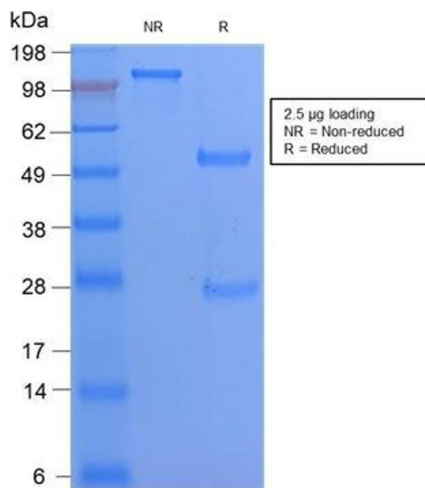
Western Blotting

Image 1. Western Blot Analysis of human Spleen tissue lysate using CD68 Rabbit Recombinant Monoclonal Antibody (C68/2908R).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with CD68 Rabbit Recombinant Monoclonal Antibody (C68/2908R).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified CD68 Rabbit Recombinant Monoclonal Antibody (C68/2908R). Confirmation of Purity and Integrity of Antibody.