

Datasheet for ABIN6941246  
**anti-CD68 antibody (AA 150-221)**



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3 Images

## Overview

Quantity:	100 µg
Target:	CD68
Binding Specificity:	AA 150-221
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunostaining (ISt), Staining Methods (StM), Coating (Coat)

## Product Details

Immunogen:	Recombinant fragment of humanCD68 protein (around aa 150-221) (exact sequence is proprietary)
Clone:	C68-2501
Isotype:	IgG2c kappa
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

## Product Details

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and acute myeloid leukemia and also reacts with rare cases of true histiocytic neoplasia. Lymphomas are negative or show few granules.

Purification: Purified by Protein A/G

## Target Details

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Target: CD68

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

Molecular Weight: 110kDa

Gene ID: 968

UniProt: [P34810](#)

## Application Details

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Application Notes: Positive Control: Tonsil, Lymph Node or Spleen.  
Known Application: ELISA (For coating, order antibody without BSA), Immunohistochemistry (Formalin-fixed) (1-2 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

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Concentration: 200 µg/mL

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

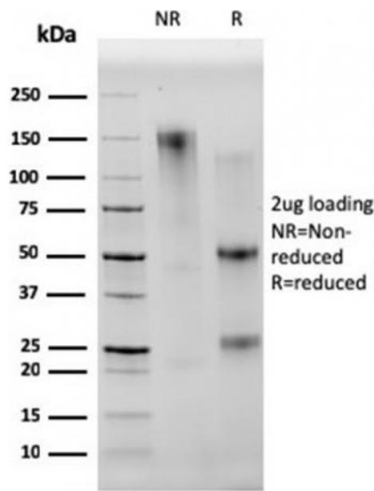
Preservative: Sodium azide

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

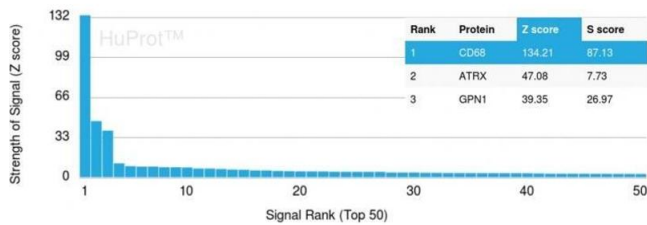
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



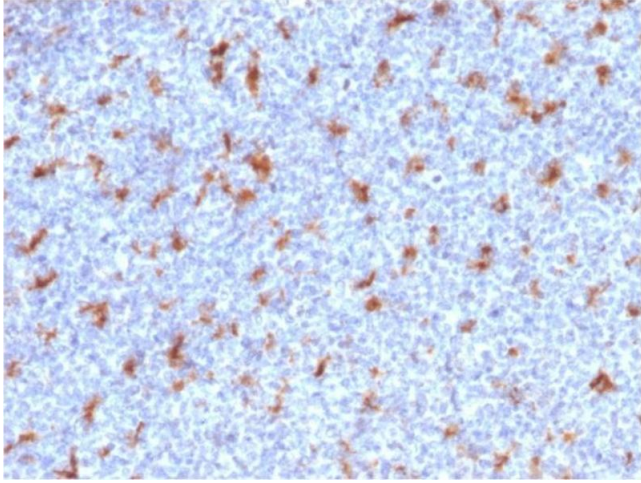
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD68 Mouse Monoclonal Antibody (C68/2501). Confirmation of Integrity and Purity of Antibody.



### Protein Array

**Image 2.** Analysis of Protein Array containing >19,000 full-length human proteins using CD68 Mouse Monoclonal Antibody (C68/2501) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Tonsil stained with CD68 Mouse Monoclonal Antibody (C68/2501).