



## Datasheet for ABIN6941245 **anti-CD68 antibody (AA 150-301)**



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### 5 Images

#### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | CD68   |
| Binding Specificity: | AA 150-301   |
| Reactivity:          | Human  |
| Host:                | Mouse  |
| Clonality:           | Monoclonal   |
| Conjugate:           | This CD68 antibody is un-conjugated  |
| Application:         | Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunostaining (ISt), ELISA, Staining Methods (StM), Coating (Coat) |

#### Product Details

|              |  |
|--------------|--|
| Immunogen:   | Recombinant fragment of humanCD68 protein (around aa 150-301) (exact sequence is proprietary)  |
| Clone:       | LAMP4-1830   |
| Isotype:     | IgG2b 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: U87MG, Tonsil, Lymph Node or Spleen.  
Known Application: Flow Cytometry (1-2 µg/million cells),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.

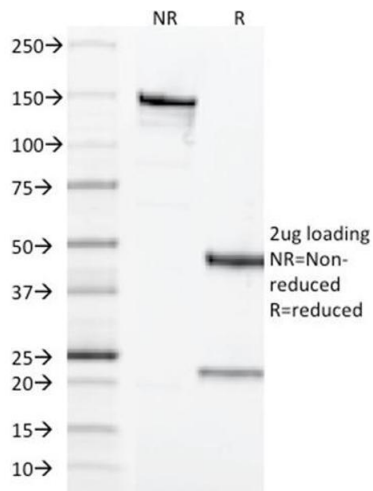
Preservative: Sodium azide

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

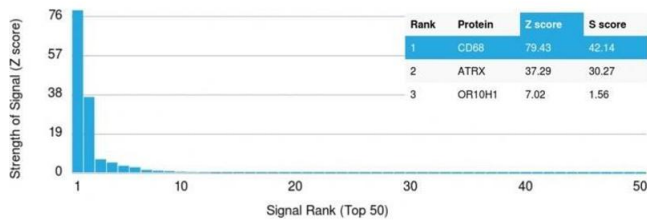
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



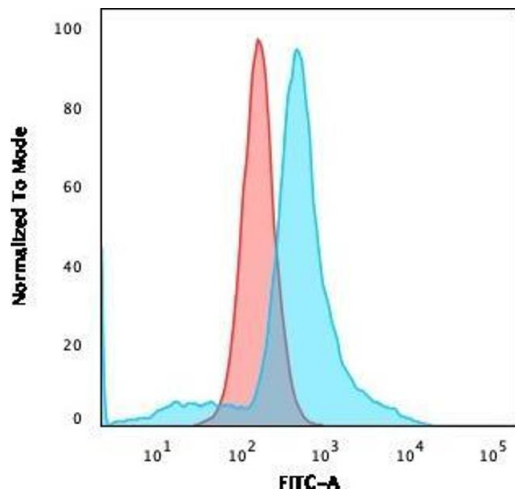
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD68 Mouse Monoclonal Antibody (LAMP4/1830). Confirmation of Integrity and Purity of Antibody.



### Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using CD68 Mouse Monoclonal Antibody (LAMP4/1830) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (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 (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



### Flow Cytometry

**Image 3.** Flow Cytometric Analysis of U87MG cells using CD68 Mouse Monoclonal Antibody (LAMP4/1830) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941245.