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# Anti-CD68 Mouse mAb [56G56]

**Catalog No.: A32016**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A32016 |
| Host species | Mouse |
| Reactivity | Human,Mouse,Rat |
| Applications | IHC,IF |
| Synonyms | CD68,Macrosialin,Gp110,CD68 |

## Product Information

| | |
|---|---|
| Target | CD68 |
| Molecular Weight(Calculated) | NA |
| Molecular Weight(Observed) | NA |
| Isotype | IgG2b,Kappa |
| Conjugation | NA |
| Concentration | Please check the information on the tube. |
| Clonality | Monoclonal |
| Clone No. | 56G56 |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.5% BSA and 0.02% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

| Application | Dilution |
|---|---|
| IHC | 1:200-1:400 |
| IF | 1:50-1:200 |

## Target Information

| | |
|---|---|
| Protein Name | CD68 molecule |
| Gene Name | *CD68* |
| Domain | NA |
| Background | CD68 (Lysosomal-associated membrane glycoprotein CD68) belongs to mucin-like transmembrane glycoprotein family and executes lysosomal-endosomal trafficking and macrophage identification functions. Predominantly localized on lysosomal and endosomal membranes of monocytes and macrophages, small fraction of CD68 is displayed on cell surface. It participates in intracellular lysosomal substance transport and degradation. CD68 is a routine marker for monocyte-macrophage lineage to label tissue-resident macrophages and tumor-associated macrophages. Notably, CD68 cannot distinguish M1/M2 polarization states; low-level expression is also observed on dendritic cells and certain activated myeloid cells. |