

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human CD68/SR-D1 in direct ELISAs. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 298807 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human CD68/SR-D1 Asn22-Ile320 Accession # AAB25811 |
| Conjugate | Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|---|----------------------------------|---|
| Intracellular Staining by Flow Cytometry | 0.25-1 µg/10 ⁶ cells | U937 human histiocytic lymphoma cell line fixed with paraformaldehyde and permeabilized with methanol |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

CD68, also called Scavenger Receptor D1 (SR-D1), is a type I transmembrane glycoprotein that belongs to the LAMP family of molecules. CD68 is expressed on monocytes and macrophages and serves as a scavenger receptor for oxidized LDL.

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