

# Mouse CD68/SR-D1 Alexa Fluor® 405-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2449D  
Catalog Number: IC101141V  
100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CD68 in direct ELISAs.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 2449D
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Chinese Hamster Ovary cell line, CHO-derived mouse CD68 Asp21-Pro282 Accession # P31996
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	RAW264.7 mouse monocyte/macrophage cell line fixed with Flow Cytometry Fixation Buffer (Catalog # <a href="#">FC004</a> ) and permeabilized with ice-cold methanol

## PREPARATION AND STORAGE

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

## BACKGROUND

Macrosialin (CD68) is a macrophage-restricted glycosylated transmembrane protein. It belongs to the lamp family and carries out specialized functions in dedicated phagocytic cells. Macrosialin binds to tissue- and organ-specific lectins to allow homing of macrophages to specific targets. Its presence in macrophages is useful in diagnosing conditions related to proliferation or abnormality of these cells.

## PRODUCT SPECIFIC NOTICES

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