

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD68 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2449C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Chinese Hamster Ovary cell line, CHO-derived mouse CD68 Asp21-Pro282 Accession # P31996
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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	RAW264.7 mouse monocyte/macrophage cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with ice-cold methanol.

PREPARATION AND STORAGE

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

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.

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