

CD68 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX00050

Clone# RR654

Predicted Molecular Wt: 37kDa
Species Cross-reactivity: Human

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P34810

Applications: IHC-P FC

Background:

Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells.

Immunogen:

A synthetic peptide corresponding to CD68 residues within aa100-200 of CD68 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C.

Storage instructions:

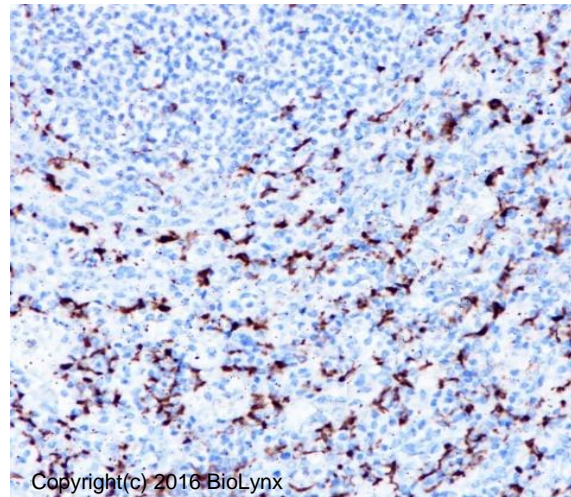
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

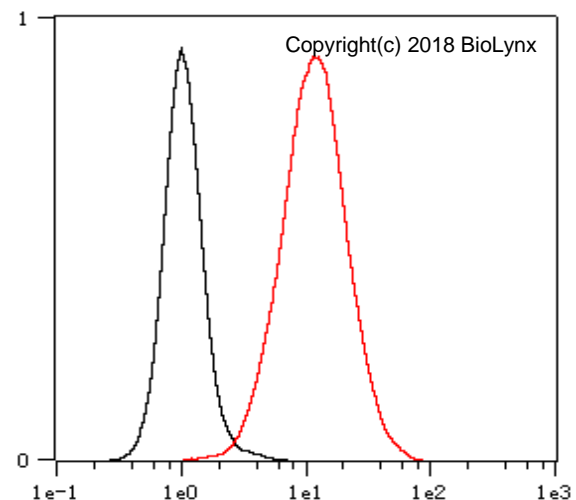
IHC-P: 1:100 - 1:200
 FC: 1:25 - 1:100

Background References:

1. Kunz-Schughart LA, et.al, Verh Dtsch Ges Pathol. 2003;87:215-23.
2. Sachdev R, et.al, J Cutan Pathol. 2006 May;33(5):353-60.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human spleen tissue labelling CD68 with RR654 at 1:200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



Overlay histogram showing THP-1 cells stained with RR654 (Red). The cells were fixed with 4% paraformaldehyde for 10 min. The cells were then incubated in the antibody (RR654, 1:100 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (Black) was used as a control.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.