Revision 8

Store at -20C

#76437

CD68 (D4B9C) XP® Rabbit mAb

Cell Signaling TECHNOLOGY®

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IHC-P, IF-IC, FC-FP, FC-L	H Mk	Endogenous	Rabbit IgG	#P34810	968

Product Usage Information

Application	Dilution
Immunohistochemistry (Paraffin)	1:200 - 1:800
Immunofluorescence (Immunocytochemistry)	1:400 - 1:800
Flow Cytometry (Fixed/Permeabilized)	1:200 - 1:800
Flow Cytometry (Live)	1:200 - 1:800

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.

For a carrier free (BSA and azide free) version of this product see product #26042.

Specificity/Sensitivity

CD68 (D4B9C) XP® Rabbit mAb recognizes endogenous levels of total CD68 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant human CD68 protein.

Background

CD68 (macrosialin) is a heavily glycosylated transmembrane protein that is expressed by and commonly used as a marker for monocytes and macrophages (1,2). It is found on the plasma membrane, as well as endosomal and lysosomal membranes (1-3). It is proposed to bind OxLDL and has been observed as a homodimer (3,4).

Background References

1. Rabinowitz, S.S. and Gordon, S. (1991) *J Exp Med* 174, 827-36.
2. Holness, C.L. and Simmons, D.L. (1993) *Blood* 81, 1607-13.
3. Ramprasad, M.P. et al. (1995) *Proc Natl Acad Sci U S A* 92, 9580-4.
4. Ramprasad, M.P. et al. (1996) *Proc Natl Acad Sci U S A* 93, 14833-8.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

IHC-P: Immunohistochemistry (Paraffin) **IF-IC:** Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized) **FC-L:** Flow Cytometry (Live)

Cross-Reactivity Key

H: Human **Mk:** Monkey

Trademarks and Patents

Limited Uses

sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.