



## ***Biotinylated Anti-human CD68/SR-D1 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF2040

**Lot Number:** CDGB01

**Size:** 50 µg

**Formulation:** 0.2 µm filtered solution in PBS with BSA

**Storage:** -20° C

**Reconstitution:** sterile 0.1% BSA in TBS

**Specificity:** human CD68 extracellular domain

**Immunogen:** NS0-derived rhCD68 extracellular domain

**Ig Type:** goat IgG

**Application:** Western blot

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human CD68 (rhCD68) extracellular domain. CD68 (macrosialin in mouse) is a 110 kDa type I transmembrane glycoprotein that belongs to the LAMP family of molecules. It contains a 300 amino acid (aa) extracellular region that is rich in threonine and serine, a likely attachment site for multiple carbohydrates. Human CD68 shares 74% aa sequence identity to mouse CD68 in the extracellular region. CD68 is found on monocytes and macrophages and serves as a scavenger receptor for oxidized LDL.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

### ***Reconstitution***

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody has been selected for use as a detection antibody in human CD68 Western blots.

### ***Application***

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human CD68. The detection limit for rhCD68 is approximately 5 ng/lane under non-reducing and reducing conditions.

**Optimal dilutions should be determined by each laboratory for each application.**