

## Anti-CD68 [Y-2/131/47] Bulk Size Ab01316-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio ([www.ximbio.com](http://www.ximbio.com)).

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** Y-2/131/47

**Alternative Name(s) of Target:** Macrosialin; Gp110; DKFZp686M18236; SCARD1; scavenger receptor class D, member 1; SRD1; SR-D1; CD68 molecule; CD68 antigen; Macrophage Antigen CD68; Y-2/131

**UniProt Accession Number of Target Protein:** P34810

**Published Application(s):** ICC, IP, WB

**Published Species Reactivity:** Human

**Immunogen:** This antibody was raised by immunising mice with phytohaemagglutinin-activated peripheral blood mononuclear cells.

**Specificity:** This antibody recognises human CD68 antigen. CD68 is a membrane glycoprotein highly expressed in monocytes and macrophages. It is involved in phagocytosis, lysosomal metabolism and interactions with pathogens and other cells.

**Application Notes:** IP: Y-2/131/47 antibody was used for immunoprecipitation from the material from spleen membranes (Micklem et al., 1989). ICC: This antibody was also used in immunocytochemical staining of acute promyelocytic leukaemia cells in order to establish a characteristic phenotype of the diseased cells and develop a potential diagnostic tool of this disorder (Erber et al., 1994).

**Antibody First Published in:** Micklem et al. A human macrophage-associated antigen (CD68) detected by six different monoclonal antibodies. Br J Haematol. 1989 Sep;73(1):6-11. [PMID:2803980](#)

**Note on publication:** This article characterises specificity of the Y-2/131/47 antibody.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.