

Mouse Anti Rat CD68 Monoclonal Antibody

DMABT-46627MR Mouse(CD68)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti Rat CD68
Immunogen	Rat spleen cells
Host	Mouse
Isotype	IgG1
Species	Rat
Clone	FE2
Conjugation	N/A
Applications	IHC, ELISA, FCM, IF, IP, RIA, WB
Dilution	FCM: 1/50 - 1/100;IHC: 0 - 1/100

PACKAGING

Format	Purified IgG - liquid
Protein Concentration	IgG concentration 0.5 mg/ml
Buffer	Phosphate buffered saline
Storage	Store at +4 °C or at -20 °C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.09% Sodium Azide
Shelf Life	18 months from date of despatch.

BACKGROUND

Introduction	CD68 is a 110 kDa highly glycosylated lysosomal membrane protein. The CD68 protein belongs to a family of lysosomal glycoproteins/plasma membrane shuttling proteins that play a role in endocytosis and/or lysosomal trafficking. Unlike many other CD leucocyte antigens, the CD68 molecule is antigenically very heterogeneous, and different antibodies to CD68 show different cellular reactivities. CD68 is expressed strongly in cytoplasmic granules, and weakly on the surface of macrophages, monocytes, neutrophils, basophils and NK-cells. CD68 is also found in neoplastic cells of myeloid background. Additionally, CD68 is expressed by approximately 40% of peripheral blood B cells and is weakly expressed in 50% of B cell type acute lymphoblastic leukaemia cells. CD68 can also be found in the cytoplasm of non-haematopoietic tissues, especially the liver, glomeruli and renal tubules.
Keywords	CD68 molecule; macrosialin; CD68 antigen; OTTHUMP00000135285; DKFZp686M18236; macrophage antigen CD68; GP110; scavenger receptor class D, member 1; SCARD1; Gp110; CD68; CD_antigen=CD68