

Mouse anti-Human CD16 Monoclonal Antibody | anti-CD16 antibody

Mouse anti Human CD16:RPE

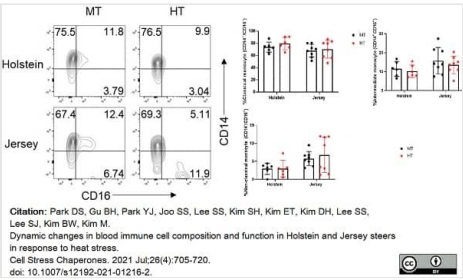
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50419	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD16; Monoclonal Antibody; Mouse anti Human CD16:RPE; CD16 antibody | KD1; anti-CD16 antibody

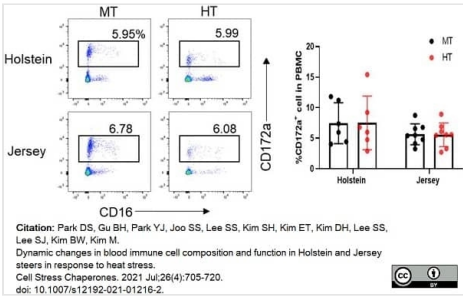
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	KD1
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Phosphate buffered saline 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized
Applicable Applications for anti-CD16 antibody	FCM/FACS (Flow Cytometry)
Immunogen	A polyclonal population of NK cells.
Fusion Partners	Spleen cells from immunised mice were fused with cells of the P3U1 myeloma cell line.
Conjugation	RPE
Preparation and Storage	Prior to reconstitution store at +4 degree C. After reconstitution store at +4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use



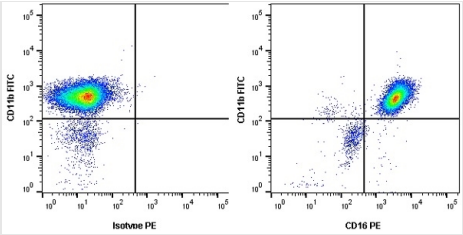
Application Data

Published customer image: FITC conjugated Mouse anti Bovine CD16 antibody, clone KD1 used to identify monocyte populations in bovine blood samples by flow cytometry. Image caption: Changes in the monocyte subsets of PBMCs in Holstein a



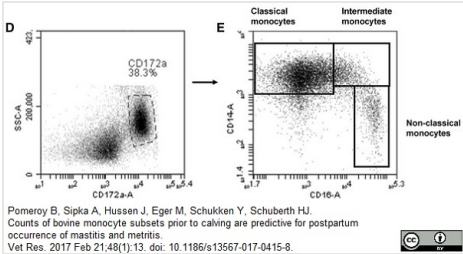
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Application Data

Figure A. FITC conjugated Mouse anti Human CD11b and PE conjugated Mouse IgG2a isotype control . Figure B. FITC conjugated Mouse anti Human CD11b and PE conjugated Mouse anti Human CD16 (AAA50419). All experiments performed



Application Data

Figure A. FITC conjugated Mouse anti Human CD11b and Alexa Fluor 647 conjugated Mouse IgG2a isotype control . Figure B. FITC conjugated Mouse anti Human CD11b and Alexa Fluor 647 conjugated Mouse anti Human CD16 used for the evaluation of CD16 expression on bovine monocytes by flow cytometry. Image caption: Gating strategy utilized for flow cytometric analysis

ADDITIONAL INFORMATION

Related Product Information for anti-CD16 antibody

Mouse anti Human CD16 antibody, clone KD1 recognizes human CD16, a 50-65kDa cell surface molecule, which is the low affinity receptor for IgG (FcR III). CD16 exists as a transmembranous form (Fc gammaRIIIA, or CD16A) and a glycosyl phosphatidylinositol (GPI) anchored form (Fc gammaRIIIB, or CD16B). CD16A is expressed by NK cells, some T cells, and macrophages (Moretta et al. 1990), whereas CD16B is primarily expressed by granulocytes (Bonecchi et al. 1999). Clone KD1 recognizes both forms of CD16 and will therefore recognize all cell types expressing CD16.

Mouse anti Human CD16, clone KD1 can be used to identify CD16 in a range of species including bovine (Boysen et al. 2010) and ovine (Elhmozi-Younes et al. 2010).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7994573
NCBI GeneID	281766
UniProt Accession #	P79107
Molecular Weight	28,050 Da
NCBI Official Full Name	Low affinity immunoglobulin gamma Fc region receptor III
NCBI Official Symbol	FCGR3A
NCBI Official Synonym Symbols	CD16; FCGR3; FCGR3@
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III
UniProt Gene Name	FCGR3

UniProt Synonym Gene Names	FCGR111; IgG Fc receptor 111; FcR111
UniProt Entry Name	FCGR3_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd16-antibody-clone-kd1-flow-cytometry-elisa/50419>