

Mouse CD14 Monoclonal Antibody | anti-CD14 antibody

MOUSE ANTI BOVINE CD14:FITC

CATALOG # AAA49752	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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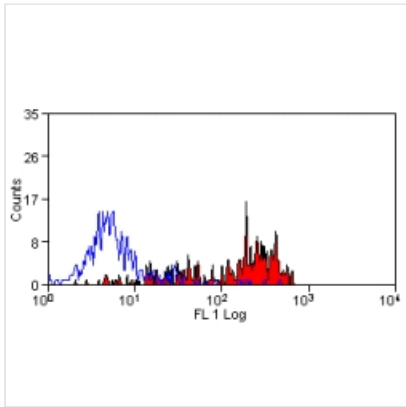
PRODUCT SYNONYMS

CD14; Monoclonal Antibody; MOUSE ANTI BOVINE CD14:FITC; anti-CD14 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CC-G33
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	373
Applicable Applications for anti-CD14 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Bovine
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. 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. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Staining of bovine peripheral blood monocytes with Mouse anti Bovine CD14

ADDITIONAL INFORMATION

Related Product Information for anti-CD14 antibody	Mouse anti Bovine CD14, clone CC-G33 is a monoclonal antibody recognizing bovine CD14, a GPI-anchored membrane glycoprotein and monocyte/macrophage differentiation antigen, belonging to the lipopolysaccharide receptor family, also expressed weakly on microglia and Langerhans cells. CD14 acts as a receptor for the potent bacterial endotoxin, lipopolysaccharide (LPS), facilitated by LPS-binding protein (LBP). The binding of LPS to CD14 results in cell activation and the release of cytokines and the inflammatory response, and has been shown to upregulate the cell surface expression of adhesion molecules. Mouse anti Bovine CD14 clone CC-G33 cross-reacts with human CD14 expressed on transfected COS-7 cells, and also recognises an epitope on ovine CD14, see Sopp et al. 1996 for details. CC-G33 has also been shown to be reactive with CD14 from the Water buffalo (Bubalus bubalis), see Mirielli et al. 2013.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41386760
NCBI GeneID	281048
NCBI Accession #	NP_776433.1
NCBI GenBank Nucleotide #	NM_174008.1
UniProt Accession #	Q95122; Q9TVA7; A8DBS7
Molecular Weight	39,667 Da
NCBI Official Full Name	monocyte differentiation antigen CD14
NCBI Official Synonym Full Names	CD14 molecule<
NCBI Official Symbol	CD14
NCBI Protein Information	monocyte differentiation antigen CD14; CD14 antigen; myeloid cell-specific leucine-rich glycoprotein
UniProt Protein Name	Monocyte differentiation antigen CD14
UniProt Gene Name	CD14
UniProt Entry Name	CD14_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.