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CD14 Monoclonal Antibody

CD14 antigen is a GPI-linked glycoprotein

CATALOG NO.: 32-128

DESCRIPTION:
CD14 antigen is a GPI-linked glycoprotein with a molecular weight of 55kD. The CD14 antigen is expressed on cells of the myelomonocytic lineage including monocytes, macrophages and Langerhans cells. Low expression is observed on neutrophils and on human B cells. CD14 antigen is a receptor for bacterial lipopolysaccharide (LPS, endotoxin) and the lipopolysaccharide binding protein (LBP). LBP and CD14 antigen serves two physiological roles. These proteins act as opsonin and opsonic receptor, respectively, to promote the phagocytic uptake of bacteria or LPScoated particles by macrophages.

CLONALITY:
This is a monoclonal antibody. Clone 5A3H5D5 (FC), 5A3B11B5,.

ISOTYPE:
IgG1

HOST:
CD14 monoclonal antibody was raised in mouse. Please use anti-mouse secondary antibodies.

IMMUNOGEN:
Ni-NTA purified recombinant human CD14 expressed in E. Coli strain BL21 (DE3).

PURIFICATION DETAILS:
Antibody is purified by protein G affinity chromatography and resuspended in PBS with 0.2%BSA, 0.09% sodium azide. No reconstitution is necessar Concentration is 0.4mg/ml.

TESTED APPLICATION:
IHC,E

APPLICATION DETAILS:
IHC: Dilution 1:200-1:400ELISA: Determining optimal working dilutions by titration test.

STORAGE:
CD14 monoclonal antibody can be stored at -20ºC, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

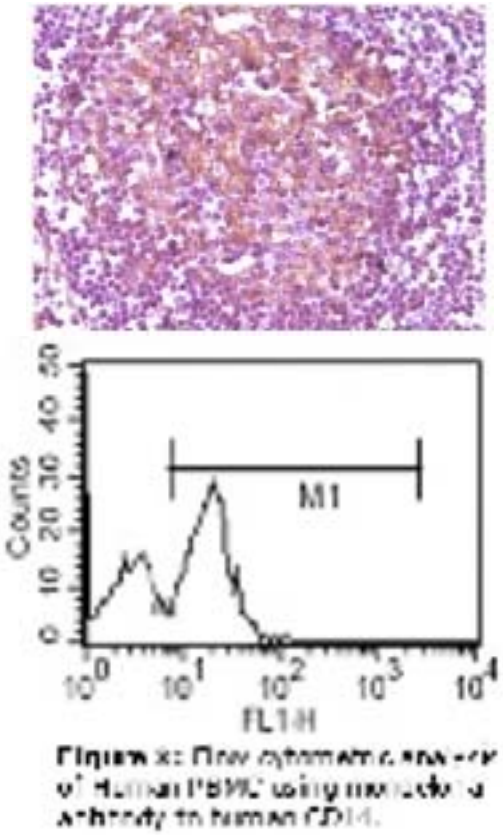

Figure x: Flow cytometric analysis of Human PBMC using monoclonal antibody to human CD14.

Immunohistochemical analysis of paraffin-embedded human normal lymphnode showing membrane localization using CD14 antibody with DAB staining Flow cytometic analysis of Human PBMC using monoclonal antibody to human CD14.

USER NOTES:

Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. **This product is for research use only.**