

Product datasheet for **AM06089PU-N**

CD14 Mouse Monoclonal Antibody [Clone ID: 5A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5A3
Applications:	ELISA, FC, IHC
Recommended Dilution:	ELISA: 1/10000. Flow Cytometry: 1/200 - 1/1000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CD14 expressed in E. Coli.
Specificity:	Recognizes CD14
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD14 molecule
Database Link:	Entrez Gene 929 Human P08571



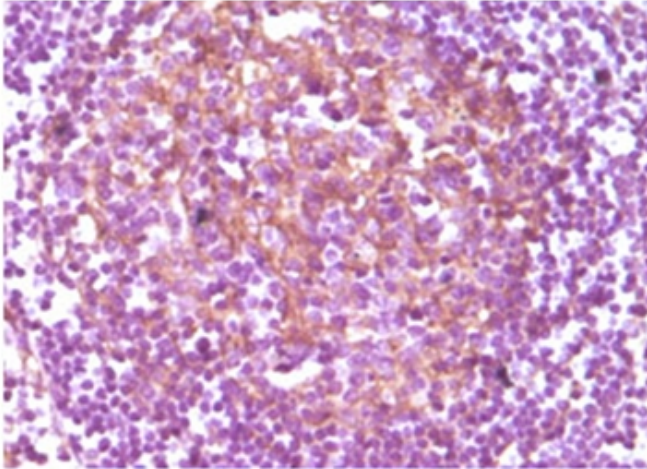
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Background:

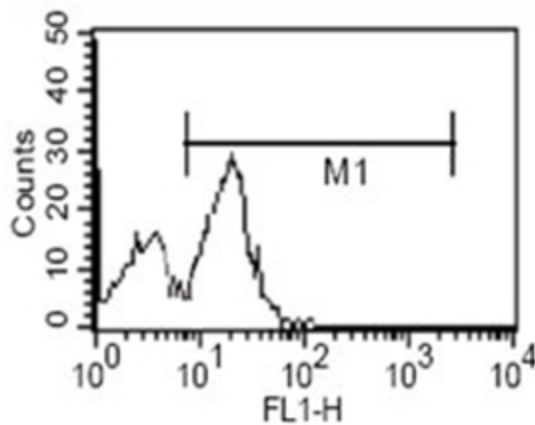
CD14 antigen is a GPI-linked glycoprotein with a molecular weight of 55kD. The CD14 antigen is expressed on cells of the myelomonocytic lineage including monocytes, macrophages and Langerhans cells. Low expression is observed on neutrophils and on human B cells. CD14 antigen is a receptor for bacterial 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.

Synonyms:

CD14

Product images:

Immunohistochemical analysis of paraffin-embedded human lymphnode, showing membrane localization using CD14 antibody Cat.-No AM06089PU-N with DAB staining.



Flow Cytometric analysis of Human PBMC using CD14 antibody