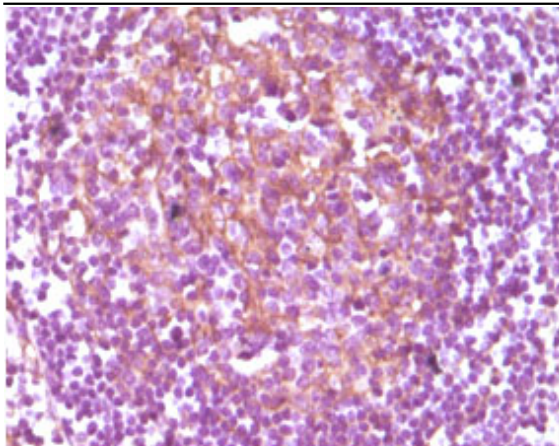


CD14 Monoclonal Antibody

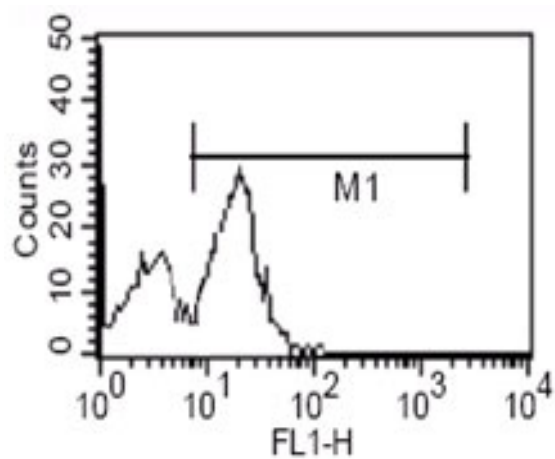
| | |
|------------------------------|---|
| Catalog No : | YM0103 |
| Reactivity : | Human |
| Applications : | IHC;IF;FCM;ELISA |
| Target : | CD14 |
| Fields : | >>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Phagosome;>>Toll-like receptor signaling pathway;>>Hematopoietic cell lineage;>>Alcoholic liver disease;>>Shigellosis;>>Salmonella infection;>>Pertussis;>>Legionellosis;>>Amoebiasis;>>Tuberculosis;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia;>>Lipid and atherosclerosis |
| Gene Name : | CD14 |
| Protein Name : | Monocyte differentiation antigen CD14 |
| Human Gene Id : | 929 |
| Human Swiss Prot No : | P08571 |
| Mouse Swiss Prot No : | P10810 |
| Immunogen : | Purified recombinant fragment of human CD14 expressed in E. Coli. |
| Specificity : | CD14 Monoclonal Antibody detects endogenous levels of CD14 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Monoclonal, Mouse |
| Dilution : | IHC 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000.. IF 1:50-200 |
| Purification : | Affinity purification |
| Concentration : | 1 mg/ml |

| | |
|-------------------------------|---|
| Storage Stability : | <u>-15°C to -25°C/1 year(Do not lower than -25°C)</u> |
| Cell Pathway : | <u>MAPK_ERK_Growth;MAPK_G_Protein;Toll_Like;Hematopoietic cell lineage;Regulates Actin and Cytoskeleton;Pathogenic Escherichia coli infection;</u> |
| P References : | <u>1. J Mammary Gland Biol Neoplasia 2000, 5 : 227-241. 2. J Mammary Gland Biol Neoplasia 2000, 5 : 165-185.</u> |
| Background : | <u>The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010],</u> |
| Function : | <u>function:Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.,online information:CD14 entry,similarity:Contains 11 LRR (leucine-rich) repeats.,subunit:Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, MD-2 and TLR4.,tissue specificity:Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.,</u> |
| Subcellular Location : | <u>Cell membrane ; Lipid-anchor, GPI-anchor . Secreted . Membrane raft . Golgi apparatus . Secreted forms may arise by cleavage of the GPI anchor. .</u> |
| Expression : | <u>Detected on macrophages (at protein level) (PubMed:1698311). Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.</u> |
| Sort : | <u>3387</u> |
| No4 : | <u>1</u> |
| Host : | <u>Mouse</u> |
| Modifications : | <u>Unmodified</u> |

Products Images



Immunohistochemistry analysis of paraffin-embedded human lymphnode, showing membrane localization with DAB staining using CD14 Monoclonal Antibody.



Flow cytometric analysis of human PBMC using CD14 Monoclonal Antibody.