



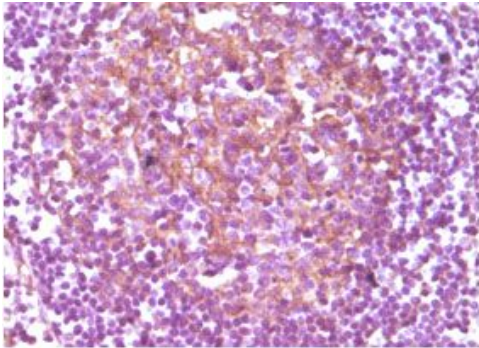
CD14

Mouse monoclonal Antibody

#54029

Catalog Number: 54029**Amount:** 100µg/100µl**Swiss-Prot No. :** P08571**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CD14 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CD14 and does not cross-react with related proteins**Reactivity:** Human**Applications:**

Predicted MW: 40kd IHC:1:200-1000



Immunohistochemical analysis of paraffin-embedded human lymphnode, showing membrane localization using CD14 mouse mAb with DAB staining.

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 LPS-coated particles by macrophages.