Anti-CD14 antibody (250-350) [S9MR] (STJ11101549)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/FC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse

PRODUCT PROPERTIES

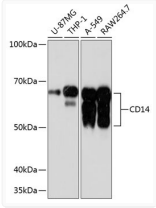
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IHC-P:1:200-1:800 IF/ICC:1:100-1:400 FC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 40kDa Observed Mw: 50-65kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

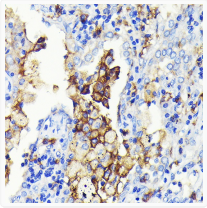
Gene ID	929
Gene Symbol	CD14
UniProt ID	CD14_HUMAN
Immunogen Region	250-350
Immunogen Sequence	QPHSLDLSHNSLRATVNPSA PRCMWSSALNSLNLSFAGLE QVPKGLPAKLRVLDLSCNRL NRAPQPDELPEVDNLTLDGN PFLVPGTALPHEGSMNSGVV P
Specificity	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human CD14 (P08571).

ADDITIONAL INFORMATION

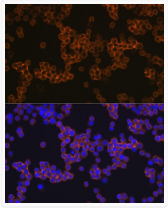
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



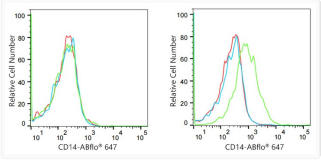
Western blot analysis of extracts of various cell lines, using CD14 antibody (STJ11101549) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using CD14 rabbit monoclonal antibody (STJ11101549) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of THP-1 cells using CD14 rabbit monoclonal antibody (STJ11101549) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Flow cytometry:1X10^6 Jurkat cells (negative control, left) and A549 cells (right) were surface-stained with CD14 rabbit monoclonal antibody (STJ11101549, 10 Mu g/mL, green line) or rabbit IgG isotype control (10 Mu g/mL, blue line) , followed by Alexa Fluor 647 conjugated goat anti-rabbit polyclonal antibody (1:600 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).