

Product Datasheet

CD14 Antibody NB100-2807

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-2807

CD14 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

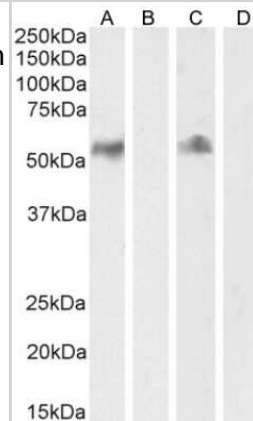
Product Description	
Host	Goat
Gene ID	929
Gene Symbol	CD14
Species	Human
Immunogen	Peptide with sequence C-KRVDADADPRQYAD corresponding to internal region according to NP_000582.1.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Flow Cytometry 10 ug/ml, ELISA Detection limit 1:128000, Immunohistochemistry 6-8 ug/ml, Immunocytochemistry/ Immunofluorescence
Application Notes	WB: Approx 55kDa band observed in Human Lymph node and Tonsil lysates (calculated MW of 40.1kDa according to NP_000582.1). The observed molecular weight corresponds to the glycosylated form. Primary incubation 1 hour at room temperature. ICC/IF reactivity reported in (PMID: 25780044).

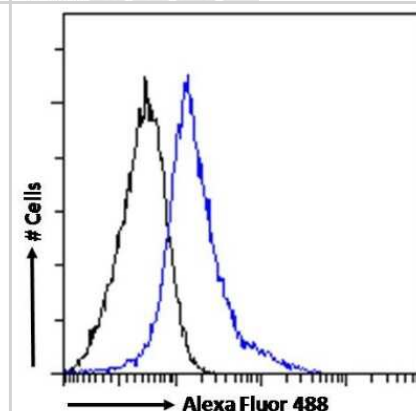


Images

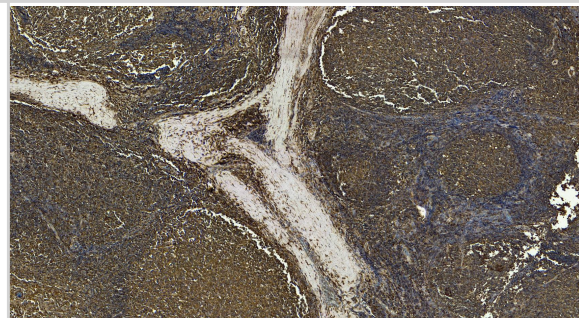
Western Blot: CD14 Antibody [NB100-2807] - Staining (1ug/ml) of PBM lysate (35ug protein in RIPA buffer) with (B) and without (A) blocking with the immunizing peptide. Detected by chemiluminescence.



Flow Cytometry: CD14 Antibody [NB100-2807] - Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunohistochemistry: Goat Polyclonal CD14 Antibody [NB100-2807] - (8µg/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Control: Goat Polyclonal CD14 Antibody [NB100-2807] - Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.



Publications

Iwaki D, Nishitani C, Mitsuzawa H et al. The CD14 region spanning amino acids 57-64 is critical for interaction with the extracellular Toll-like receptor 2 domain. *Biochem Biophys Res Commun* 2005-03-04 [PMID: 15670766]

Martin I, Caban-Hernandez K, Figueroa-Santiago O, Espino AM. Fasciola hepatica Fatty Acid Binding Protein Inhibits TLR4 Activation and Suppresses the Inflammatory Cytokines Induced by Lipopolysaccharide In Vitro and In Vivo. *J. Immunol.* 2015-03-16 [PMID: 25780044] (ICC/IF, WB, Human)

Funda DP, Tuckova L, Farre MA et al. CD14 is expressed and released as soluble CD14 by human intestinal epithelial cells in vitro: lipopolysaccharide activation of epithelial cells revisited. *Infect Immun* 2001-06-01 [PMID: 11349042]





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Products Related to NB100-2807

NB820-59242	Human Lymph Node Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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