

# Product Datasheet

## CD14 Antibody (M5E2) - Azide and BSA Free NBP2-80627

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80627**

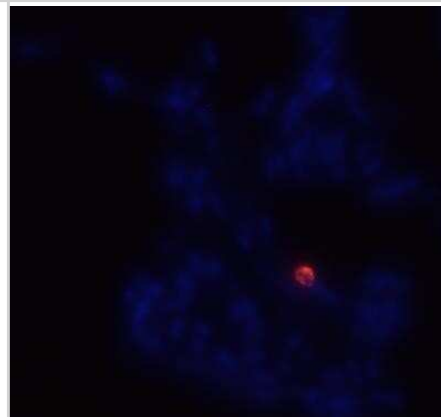
CD14 Antibody (M5E2) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	M5E2
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CD14 Antibody (M5E2) - Azide and BSA Free (NB100-77758) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	929
<b>Gene Symbol</b>	CD14
<b>Species</b>	Human, Porcine, Bovine, Canine, Primate
<b>Reactivity Notes</b>	Expected to cross react with Chimpanzee, Cynomolgus, Rhesus, Pigtailed Macaque, Capuchin Monkey, Cotton-topped Tamarin, Common Marmoset, Squirrel Monkey.
<b>Immunogen</b>	Human peripheral blood cells.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Block/Neutralize, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry 2.0 ug/10 <sup>6</sup> cells in 100 ul, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500, CyTOF-ready, Block/Neutralize reported in scientific literature (PMID 27228163)
<b>Application Notes</b>	The M5E2 antibody inhibits monocyte activation and cytokine production induced by LPS. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections, blocking of LPS stimulation, and immunofluorescence microscopy. Clone M5E2 is not recommended for immunohistochemical staining of formalin-fixed paraffin-embedded sections. This antibody is CyTOF ready.

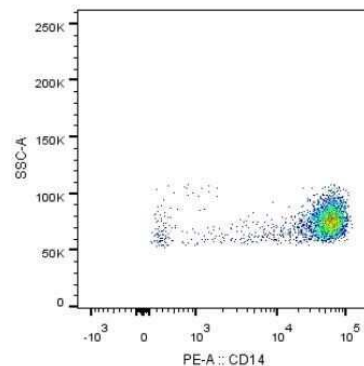


## Images

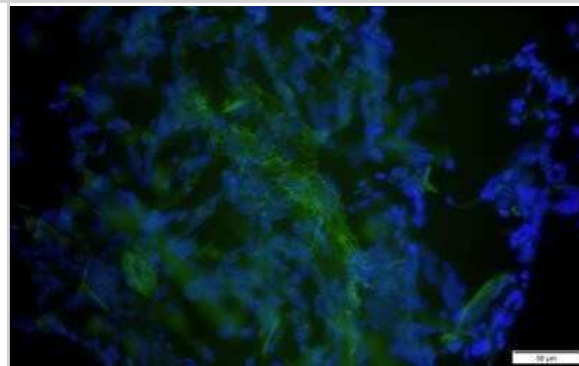
Immunocytochemistry/Immunofluorescence: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - Representative immunostaining of CD14 (red) in adult human lung tissue sample with nuclei counterstained blue. This image was submitted by customer review. Image from the Alexa Fluor 647 version of this antibody. Image from the standard format of this antibody.



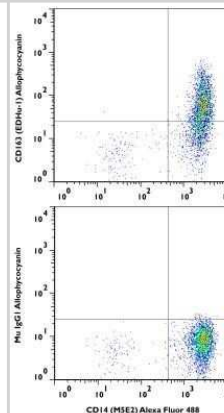
Flow Cytometry: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - Analysis using the PE conjugate of NB100-77758. Staining of CD14 in human PBMC using anti-CD14 antibody conjugated with PE. Image from verified customer review.



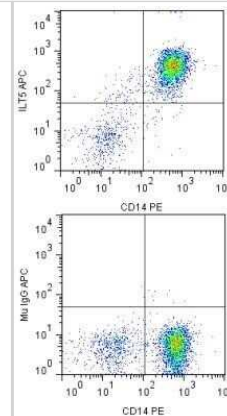
Immunocytochemistry/Immunofluorescence: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - Human lung tissue was stained with FITC-conjugated CD14 (Green) for overnight. Image from the Alexa Fluor 488 version of this antibody.



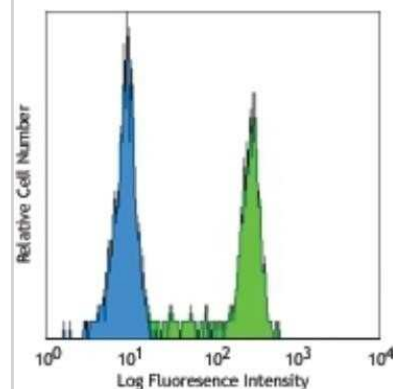
Flow Cytometry: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - A surface stain was performed on human peripheral blood monocytes with CD163 (EDHu-1) antibody NB110-40686APC and a matched isotype control NBP2-27287APC. Cells were incubated in an antibody dilution of 1 µg/mL for 20 minutes at room temperature. A co-stain was performed with NB100-77758AF488. Image from the standard format of this antibody.



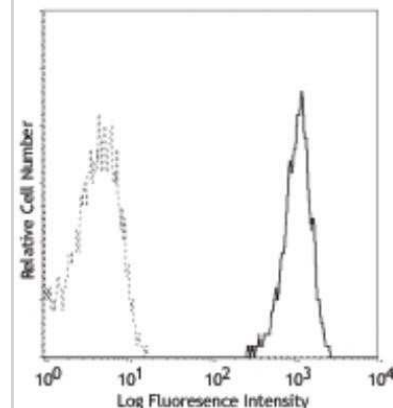
Flow Cytometry: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - Analysis using PE conjugate of NB100-77758. A cell surface stain was performed on hPBMCs with ILT5 antibody (MM0413-9S32) NBP2-11729 (top image) and a matched isotype control NBP2-27287 (bottom image). Cells were incubated in an antibody dilution of 1:200 for 20 minutes at room temperature. Both antibodies were directly conjugated to APC. A co-stain was performed using CD14 antibody (M5E2) NB100-77758PE.



Flow Cytometry: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - Analysis using the FITC conjugate of NB100-77758. Staining of Human peripheral blood monocytes with M5E2 FITC.



Flow Cytometry: CD14 Antibody (M5E2) - Azide and BSA Free [NBP2-80627] - Human peripheral blood monocytes stained with M5E2 APC. Image from the standard format of this antibody.





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### **Products Related to NBP2-80627**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-52177-0.05mg	Recombinant Mouse CD14 His Protein

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### **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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