

#75181 Store at -20C

## CD14 (D7A2T) Rabbit mAb (IHC Formulated)



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<b>Applications:</b> IHC-Bond, IHC-P	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P08571	<b>Entrez-Gene Id:</b> 929
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<b>Product Usage Information</b>	<b>Application</b> IHC Leica Bond Immunohistochemistry (Paraffin)	<b>Dilution</b> 1:200 1:500
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.  For a carrier free (BSA and azide free) version of this product see product #43878.	
<b>Specificity / Sensitivity</b>	CD14 (D7A2T) Rabbit mAb (IHC Formulated) recognizes endogenous levels of total CD14 protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro319 of human CD14 protein.	
<b>Background</b>	CD14 is a leucine-rich repeat-containing pattern recognition receptor with expression largely restricted to the monocyte/macrophage cell lineage (1). Research studies have shown that CD14 is a bacterial lipopolysaccharide (LPS) binding glycoprotein, expressed as either a GPI-linked membrane protein or a soluble plasma protein (2). LPS induces an upregulation of GPI-linked CD14 expression, which facilitates TLR4 signaling and macrophage activation in response to bacterial infection (3-5).	
<b>Background References</b>	1. Wright, S.D. et al. (1991) <i>J Exp Med</i> 173, 1281-6. 2. Ziegler-Heitbrock, H.W. and Ulevitch, R.J. (1993) <i>Immunol Today</i> 14, 121-5. 3. Suzuki, M. et al. (2009) <i>J Immunol</i> 182, 6485-93. 4. Pugin, J. et al. (1994) <i>Immunity</i> 1, 509-16. 5. Zanoni, I. et al. (2011) <i>Cell</i> 147, 868-80.	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Applications Key</b>	<b>IHC-Bond:</b> IHC Leica Bond <b>IHC-P:</b> Immunohistochemistry (Paraffin)
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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