

## ARG21341 anti-CD14 antibody [61D3] (PE-Cyanine 5.5)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	PE-Cyanine 5.5-conjugated Mouse Monoclonal antibody [61D3] recognizes CD14
Tested Reactivity	Hu, Dog
Tested Application	BL, FACS, ICC/IF, IHC-Fr, WB
Specificity	Human/Cynomolgus/Canine/Hooded Seal CD14.
Host	Mouse
Clonality	Monoclonal
Clone	61D3
Isotype	IgG1, kappa
Target Name	CD14
Species	Human
Immunogen	Human peripheral monocytes
Conjugation	PE-Cyanine 5.5
Alternate Names	CD antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14

### Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	FACS	10 µl/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

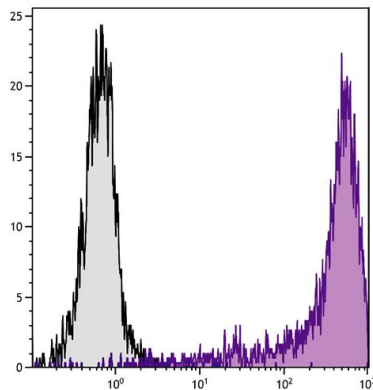
## Bioinformation

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Database links	<a href="#">GeneID: 929 Human</a> <a href="#">Swiss-port # P08571 Human</a>
Gene Symbol	CD14
Gene Full Name	CD14 molecule
Background	The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010]
Function	In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the MD-2/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules. [UniProt]
Research Area	Developmental Biology antibody; Immune System antibody; General Lymphocyte Marker Study antibody; Macrophages and neutrophils antibody
Calculated Mw	40 kDa
PTM	N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.

## Images

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ARG21341 anti-CD14 antibody [61D3] (PE-Cyanine 5.5) FACS image

Flow Cytometry: Human peripheral blood monocytes stained with ARG21341 anti-CD14 antibody [61D3] (PE-Cyanine 5.5).