

## Anti-CD14 Antibody (4M865)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Cynomolgus
Conjugation:	Unconjugated
Clone:	4M865
Purification:	Protein A

## Applications

Verified Activity:	1. Immunochemical staining of cynomolgus CD14 in cynomolgus liver with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.
	2. Immunochemical staining of cynomolgus CD14 in cynomolgus spleen with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Cynomolgus CD14 Protein (TMPY-03358)
Antigen Species:	Cynomolgus
Synonyms:	CD14 molecule;CD14

## Research Background

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 14 (CD14) is a member of the CD system. It takes its name from its inclusion in the CD molecule surface marker proteins. CD14 exists in two forms: a form anchored into the membrane or a soluble form. CD14 was found expressed in macrophages, neutrophil granulocyte and dendritic cells. The major function is to serve as a co-receptor (along with TLR4 and MD-2) for the bacterial lipopolysaccharide (LPS) and other pathogen-associated molecular patterns.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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