



20150116ML

# Anti-Mouse CD14 (#1K29)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-M342</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with recombinant mouse CD14.

## Target Background

<b>Synonyms (Target):</b>	Cd14
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CD14 is a 55 kDa GPI-linked cell surface glycoprotein that is preferentially expressed on monocytes/macrophages. The amino acid sequence of mature human CD14 is approximately 67% and 64% identical to the mouse and rat proteins, respectively.

## Database References Target

<b>Protein RefSeq:</b>	NP_033971.1
<b>Uniprot ID:</b>	P10810
<b>mRNA RefSeq:</b>	NM_009841.3

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#1K29)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	recombinant mouse CD14
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody detects specifically mouse CD14 with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:  
WB, FC

### Recommended usage:

**WB:** 1:500-1000**FC:** 1:20-100

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**