

Purified anti-mouse CD14 (Maxpar® Ready) Antibody

Catalog# / Size	123321 / 100 µg
Clone	Sa14-2
Regulatory Status	RUO
Other Names	LPS receptor
Isotype	Rat IgG2a, κ
Description	CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein also known as LPS receptor. CD14 is expressed on macrophages, dendritic cells, Kupffer cells, hepatocytes, and granulocytes. As a high-affinity receptor for LPS-LBP (LPS-binding protein) complex, CD14, in association with Toll-like Receptor 4 (TLR4) or 2 (TLR2), is involved in the clearance of gram-negative pathogens.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse thymus or spleen
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and EDTA.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested CyTOF® - Verified
Recommended Usage	This product is suitable for use with the Maxpar® Metal Labeling Kits . For metal labeling using Maxpar® Ready antibodies, proceed directly to the step to Partially Reduce the Antibody by adding 100 µl of Maxpar® Ready antibody to 100 µl of 4 mM TCEP-R in a 50 kDa filter and continue with the protocol. Always refer to the latest version of Maxpar® User Guide when conjugating Maxpar® Ready antibodies.
Additional Product Notes	Maxpar® is a registered trademark of Standard BioTools Inc.
RRID	AB_2563720 (BioLegend Cat. No. 123321)

Antigen Details

Structure	GPI-linked membrane glycoprotein, 53-55 kD
Distribution	macrophages, dendritic cells, kupffer cells, hepatocytes
Function	LPS receptor, clearance of Gram-negative pathogens
Ligand/Receptor	LPS
Cell Type	Dendritic cells, Macrophages
Biology Area	Cell Biology, Immunology, Innate Immunity, Neuroinflammation, Neuroscience
Molecular Family	Adhesion Molecules, CD Molecules

Antigen References

1. Stocks S, *et al.* 1990. *Biochem. J.* 268:275.
2. Akashi S, *et al.* 2003. *J. Exp. Med.* 198:1035.
3. Matsuura K, *et al.* 1994. *J. Exp. Med.* 179:1671.
4. Liu S, *et al.* 1998. *Infect. Immun.* 66:5089.

Gene ID

[12475](#)

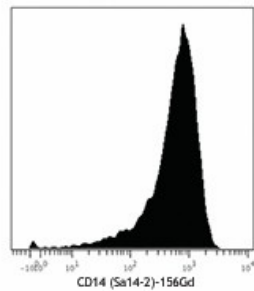
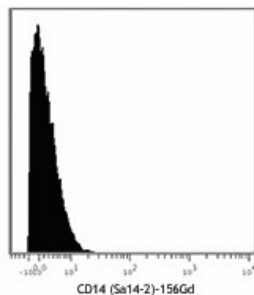
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD14, Biotin anti-mouse CD14, FITC anti-mouse CD14, PE anti-mouse CD14, APC anti-mouse CD14, PerCP/Cyanine5.5 anti-mouse CD14, PE/Cyanine7 anti-mouse CD14, APC/Cyanine7 anti-mouse CD14, Purified anti-mouse CD14 (Maxpar® Ready), Brilliant Violet 510™ anti-mouse CD14, Brilliant Violet 421™ anti-mouse CD14, Alexa Fluor® 647 anti-mouse CD14, PE/Dazzle™ 594 anti-mouse CD14, APC/Fire™ 750 anti-mouse CD14, TotalSeq™-A0424 anti-mouse CD14, TotalSeq™-C0424 anti-mouse CD14, TotalSeq™-B0424 anti-mouse CD14, Brilliant Violet 605™ anti-mouse CD14, Brilliant Violet 785™ anti-mouse CD14 Antibody

Product Data



MC/9 (top) or J774A.1 (bottom) mouse cell lines stained with 156Gd anti-CD14 (Sa14-2). Data provided by DVS Sciences.

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