

# CD14 Recombinant Monoclonal Antibody [BLR187J]

Rabbit Recombinant Monoclonal

Purified	Protein ID	P08571
Catalog No. A700-187	GeneID	929
Lot No. A700-187-1		

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<b>APPLICATIONS</b>	WB, IP, IHC, ICC, F
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl (50+ tests)
<b>CONCENTRATION</b>	50 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>CLONE #</b>	BLR187J
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Recombinant antibody was purified from cell culture supernatant.  Immunogen was a recombinant protein representing the extracellular domain of human monocyte differentiation antigen CD14 (residues 20-352, NP_000582.1).

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

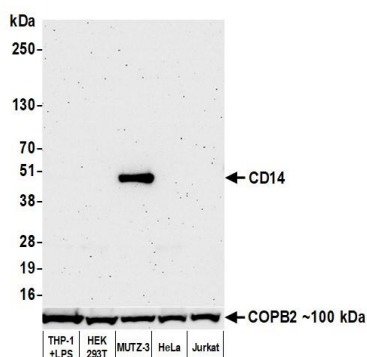
Western Blot	1:1000
Immunoprecipitation	20 µl/mg lysate
Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunocytochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Flow Cytometry	Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 × 10 <sup>6</sup> cells.

**IHC HUMAN CONTROLS** Appendix, Colon Carcinoma, Colon Carcinoma TIL, Lymph Node, Placenta, Spleen, Tonsil, Cal-27 Cells, MUTZ-3 cells, SiHa Cells

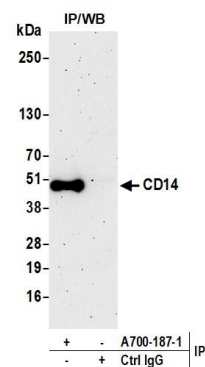
**ADDITIONAL INFO** <https://www.bethyl.com/product/A700-187>

Use the link above to view SDS, a current list of citations, and other product specific information.

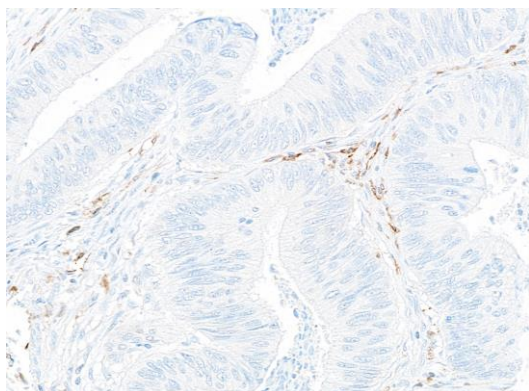
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: September 21, 2021



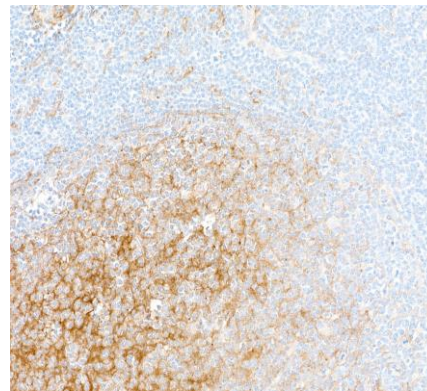
**Detection of human CD14 by western blot. Samples:** Whole cell lysate (50  $\mu$ g) from THP-1 +LPS, HEK293T, MUTZ-3, HeLa, and Jurkat cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-CD14 recombinant monoclonal antibody [BLR187J] (A700-187 lot 1) used at 1:1000. **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



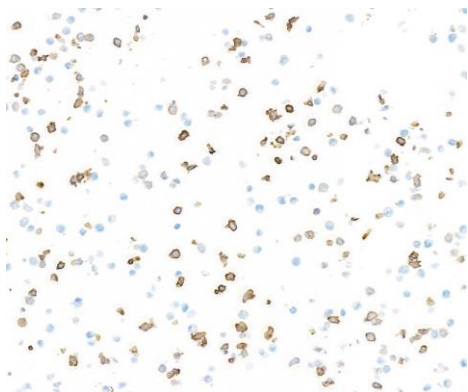
**Detection of human CD14 by western blot of immunoprecipitates. Samples:** Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from MUTZ-3 cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-CD14 recombinant monoclonal antibody [BLR187J] (A700-187 lot 1) used at 20  $\mu$ l/mg lysate. For blotting immunoprecipitated CD14, A700-187 was used at 1:1000. Chemiluminescence with an exposure time of 3 minutes.



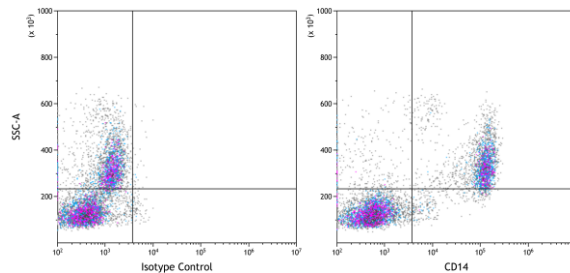
**Detection of human CD14 in colon carcinoma TIL by IHC. Antibody:** Rabbit anti-CD14 recombinant monoclonal antibody [BLR187J] (A700-187 lot 1). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB



**Detection of human CD14 in tonsil by IHC. Antibody:** Rabbit anti-CD14 recombinant monoclonal antibody [BLR187J] (A700-187 lot 1). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB



**Detection of human CD14 in MUTZ-3 cells by ICC.**  
*Antibody:* Rabbit anti-CD14 recombinant monoclonal antibody [BLR187J] (A700-187 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB



**Detection of human CD14 (right) in PBMCs by flow cytometry.** *Antibody:* Rabbit anti-CD14 recombinant monoclonal [BLR187J] (A700-187 lot 1) or isotype control (left). *Secondary:* DyLight® 488-conjugated goat anti-rabbit IgG (A120-101D2). Analysis performed on lymphocyte and monocyte gated population.