

CD34 Recombinant Monoclonal Antibody [BLR197J]

Rabbit Recombinant Monoclonal

Purified	Protein ID	NP_001020280.1
Catalog No. A700-197	GeneID	947
Lot No. A700-197-1		

APPLICATIONS	WB, IP, IHC, ICC
SPECIES REACTIVITY	Human
AMOUNT	100 µl (50+ tests)
CONCENTRATION	100 µg/ml
STORAGE/SHELF LIFE	2 – 8°C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
CLONE #	BLR197J
ORIGIN	USA

PRODUCTION PROCEDURES Recombinant antibody was purified from cell culture supernatant.

Immunogen was a recombinant protein representing the extracellular domain of human Hematopoietic progenitor cell antigen CD34 (residues 33–290, NP_001020280.1).

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

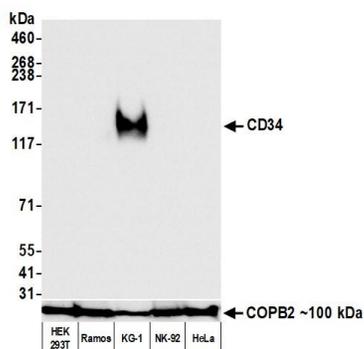
Western Blot	1:1,000
Immunoprecipitation	20 µl/1 mg lysate
Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunocytochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.

IHC HUMAN CONTROLS Kidney, Liver Carcinoma, Lung, Ovarian Carcinoma, Placenta, Prostate Carcinoma, Spleen, Tonsil, KG-1 Cells

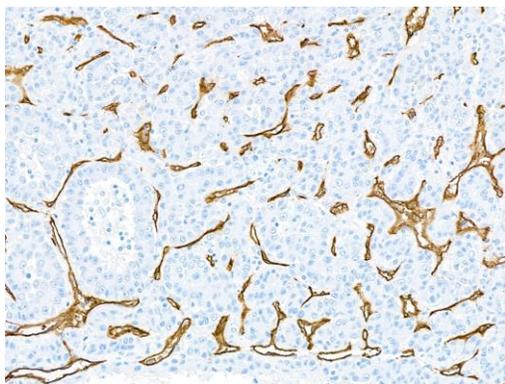
ADDITIONAL INFO <https://www.bethyl.com/product/A700-197>

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

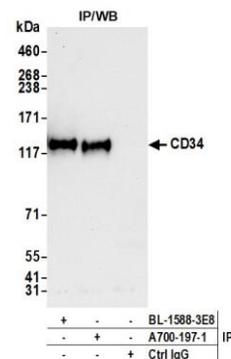
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: December 14, 2021



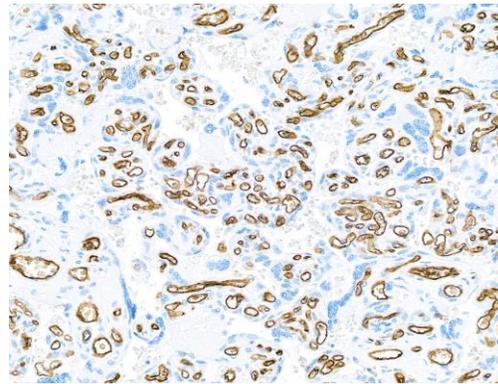
Detection of human CD34 by western blot. *Samples:* Whole cell lysate (50 μ g) from HEK293T, Ramos, KG-1, NK-92, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 1 second. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



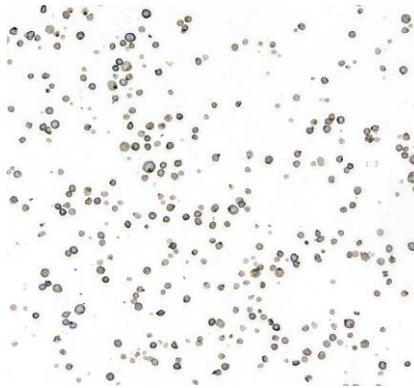
Detection of human CD34 by immunohistochemistry. *Sample:* FFPE section of liver carcinoma. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of human CD34 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from KG-1 cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197 lot 1) used for IP at 20 μ l/mg lysate. CD34 was also immunoprecipitated by a second antibody against a different epitope of CD34 (BL-1588-3E8). For blotting immunoprecipitated CD34, A700-197 was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



Detection of human CD34 by immunohistochemistry. *Sample:* FFPE section of placenta. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of human CD34 by immunocytochemistry.

Sample: FFPE section of KG-1 cells. *Antibody:* Rabbit anti-CD34 recombinant monoclonal antibody [BLR197J] (A700-197 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).