## B7-H3/CD276 Recombinant Monoclonal Antibody [BLR026F]

Rabbit Recombinant Monoclonal

Purified Protein ID NP\_001019907.1

Catalog No. A700-026-T GeneID 80381

Lot No. A700-026-T-1

**APPLICATIONS** WB, IP, IHC, ICC, F

SPECIES REACTIVITY Human

 AMOUNT
 10 μl (5+ tests)

 CONCENTRATION
 1000 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 0.09% Sodium Azide, BSA Free

**ISOTYPE** IgG

CLONE # BLR026F

**ORIGIN** USA

PRODUCTION

Recombinant antibody was purified from cell culture supernatant.

**PROCEDURES** 

Immunogen was a recombinant protein representing the extracellular domain of human CD276

(residues 29-465, NP\_001019907.1).

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  $3 \mu I/mg$  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 Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl

per 1 x 10^6 cells.

IHC HUMAN CONTROLS Lung Carcinoma, Ovarian Carcinoma, A-172 Cells, HEK293T Cells, HeLa Cells, MCF-7 Cells

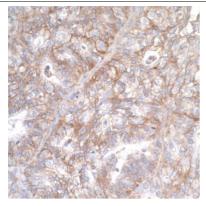
ADDITIONAL INFO https://www.bethyl.com/product/A700-026-T

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

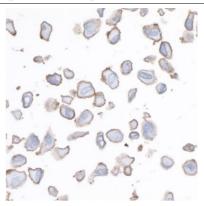
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: January 24, 2020

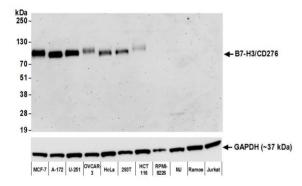




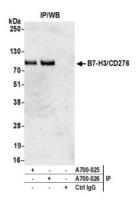
**Detection of human B7–H3/CD276 by immunohistochemistry.** *Sample:* FFPE section of ovarian carcinoma. *Antibody:* Rabbit anti–B7–H3/CD276 recombinant monoclonal antibody [BLR026F] (A700–026 lot 1) used at 1:200. *Secondary:* HRP–conjugated goat anti-rabbit IgG (A120–501P).



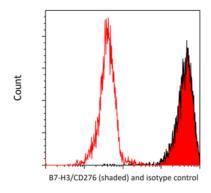
Detection of human B7-H3/CD276 by immunocytochemistry. *Sample:* FFPE section of A-172 cells. *Antibody:* Rabbit anti-B7-H3/CD276 recombinant monoclonal antibody [BLR026F] (A700-026 lot 1) used at 1:200. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of human B7–H3/CD276 by western blot. Samples: Whole cell lysate (15 μg) from MCF–7, A–172, U–251MG, OVCAR–3, HeLa, 293T, HCT 116, RPMI–8226, MJ, Ramos, and Jurkat cells prepared using NETN lysis buffer. Antibody: Rabbit anti–B7–H3/CD276 recombinant monoclonal antibody [BLR026F] (A700–026–T 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–GAPDH (A300–639A).



Detection of human B7–H3/CD276 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-B7–H3/CD276 recombinant monoclonal antibody [BLR026F] (A700–026–T lot 1) used for IP at 3 µl per reaction. B7–H3/CD276 was also immunoprecipitated by rabbit anti-B7–H3/CD276 recombinant monoclonal antibody [BLR025F] (A700–025). For blotting immunoprecipitated B7–H3/CD276, A700–026–T was used at 1:1000. Chemiluminescence with an exposure time of 3 minutes.



Detection of human B7-H3/CD276 (shaded) in 293T cells by flow cytometry. *Antibody:* Rabbit anti-B7-H3/CD276 recombinant monoclonal [BLR026F] (A700-026-T lot 1) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-201D5).