CEACAM6 (9A6): sc-59899

BACKGROUND
The CD66 (also designated carcinoembryonic antigen, CEA, biliary glycoprotein I, BGP-1, CEACAM) immunoglobulin superfamily of genes encode cell adhesion proteins, which are expressed at higher levels in tumorous tissues than in normal tissues. CD66 mRNA is strongly expressed in primary colon tumors and, to a lesser extent, in normal colonic tissue. The human CD66 gene family is a diverse set of glycoproteins of epithelial and hematopoietic lineage that comprises 29 genes, which map to chromosome position 19q13.1-q13.2. CD66A, CD66B, CD66C, CD66D, CD66E and CD66F are the best characterized CD66 antigens, and CD66A-D expression upregulates on the surface of granulocytes upon stimulation. Certain CD66 isoforms mediate homotypic and heterotypic intercellular adhesion events independently of cell type.

CHROMOSOMAL LOCATION
Genetic locus: CEACAM6 (human) mapping to 19q13.2.

SOURCE
CEACAM6 (9A6) is a mouse monoclonal antibody raised against CEACAM6 expressing tumor cell lines of human origin.

PRODUCT
Each vial contains 200 µg IgG, kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. CEACAM6 (9A6) is available conjugated to agarose (sc-59899 AC), 500 µg/0.25 ml agarose in 1 ml, for WB, IHC (P) and ELISA; to either phycoerythrin (sc-59899 PE), fluorescein (sc-59899 FITC), Alexa Fluor® 488 (sc-59899 AF488), Alexa Fluor® 546 (sc-59899 AF546), Alexa Fluor® 594 (sc-59899 AF594) or Alexa Fluor® 647 (sc-59899 AF647), 200 µg/ml, for WB (RGB), IF, IHC (P) and FCM; and to either Alexa Fluor® 680 (sc-59899 AF680) or Alexa Fluor® 790 (sc-59899 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

APPLICATIONS
CEACAM6 (9A6) is recommended for detection of CEACAM6 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein [1 ml of cell lysate]), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10⁶ cells). Suitable for use as control antibody for CEACAM6 siRNA (h: sc-72071, CEACAM6 shRNA Plasmid (h): sc-72071-SH and CEACAM6 shRNA (h) Lentiviral Particles: sc-72071-V.

Molecular Weight of CEACAM6: 90 kDa.

Positive Controls: human PBL whole cell lysate or LS1034 whole cell lysate.

STORAGE
Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE
For research use only, not for use in diagnostic procedures.

DATA

SELECT PRODUCT CITATIONS

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.