CEACAM1 Monoclonal antibody, PBS Only

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Antibodies | ELISA kits | Proteins
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Catalog Number:68653-1-PBS

Basic Information

Catalog Number:
68653-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:
BC014473

GeneID (NCBI):
634

UNIPROT ID:
P13688

Full Name:
carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)

Calculated MW:
526 aa, 58 kDa

Observed MW:
120-150 kDa

Purification Method:
Protein G purification

CloneNo.:
1D1H1

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human

Background Information

CEACAM1, also known as CD66a or BGP (biliary glycoprotein), is a member of the cacinoembryonic antigen (CEA) family which belongs to the immunoglobulin superfamily of cell adhesion molecules (PMID: 16919437). CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in the control of cell proliferation, angiogenesis, and tissue remodeling (PMID: 23021083). CEACAM1 is a transmembrane glycoprotein that is expressed on epithelial, endothelial, and immune cells (PMID: 30314283). CEACAM1 has been demonstrated to play a role in morphogenesis, apoptosis, angiogenesis, cell proliferation, cell motility, fibrosis, and immunity (PMID: 31604530).

Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS Only

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
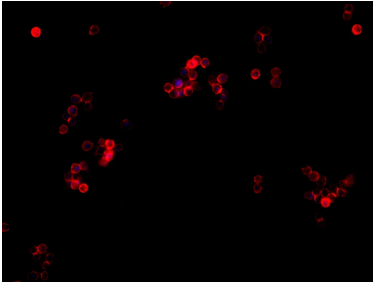
Immunofluorescent analysis ofun-fixed HT-29 cells using CEACAM1 antibody (68653-1-Ig, Clone: 1D1H1) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 68653-1-PBS in a different storage buffer formulation.
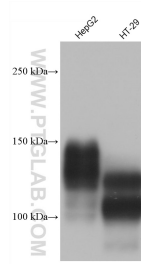
Various lysates were subjected to SDS PAGE followed by western blot with 68653-1-Ig (CEACAM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68653-1-PBS in a different storage buffer formulation.