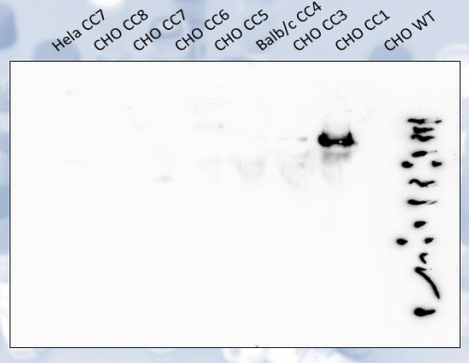


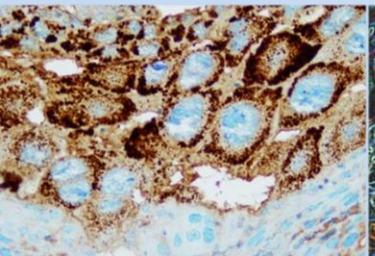
Western blot analysis with polyclonal rabbit anti-human CEACAM-1 (#dN) [**Cat# 102-PA102**] with total lysate of different CEACAM proteins expressing cell lines. There was a very slight cross-reactivity with human CEACAM5 visible. There is the same results with rabbit anti-human CEACAM-1 (#D1-4) [**Cat# 102-PA100**].

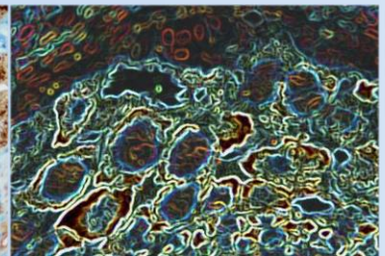
Service options

You are looking for something individual? Check, if you can find a solution in our contract work program:

NEW

- Activity Assays
  → send your protein of interest – we check the activity e.g. in primary endothelial cells, fibroblasts as well as cell lines.
- Production and purification of recombinant proteins in E.coli and insect cells
- Production and purification of monoclonal antibodies
- From cDNA to protein
  → you need a recombinant protein not commercially available yet, please inquire.
- Reagent Formulation Service
  → design your own reagent conditions for your individual application.





Is it possible?

- You don't know us?

We are focused on the in-house production of new high-quality reagents for (lymph-)angiogenic research. However, biology is made to overcome traditions, isn't it? - Factors from our product palette pop up everywhere in biological sciences. As a result customers from varying fields in biology and medical sciences have discovered our reagents for their research in the meantime and - rely on them.

ReliaTech was founded in 1999 by Dr. Herbert Weich (HZI Braunschweig), Dr. Bernhard Barleon (Clinic for tumor biology (KTB), Freiburg) and Dr. Avner Yayon (Weizmann Institute of Science (WIS), Israel). In 2007 Dr. Volker Jaeger (HZI Braunschweig) joined the board.

A consistent and sophisticated dialog between leading scientists in lymph-/angiogenesis and our in-house experts combined with a fast supply of reagents is the secret that shapes the quality of our reagents and services. Find out yourself what we can do for you and visit our webpages!

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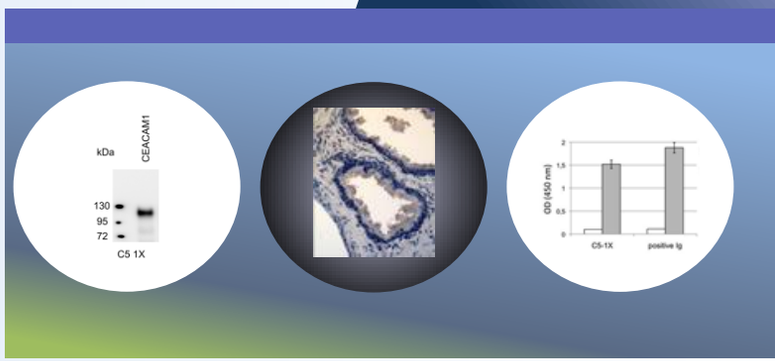
Release 06/2017

Code generated by ZXing Project

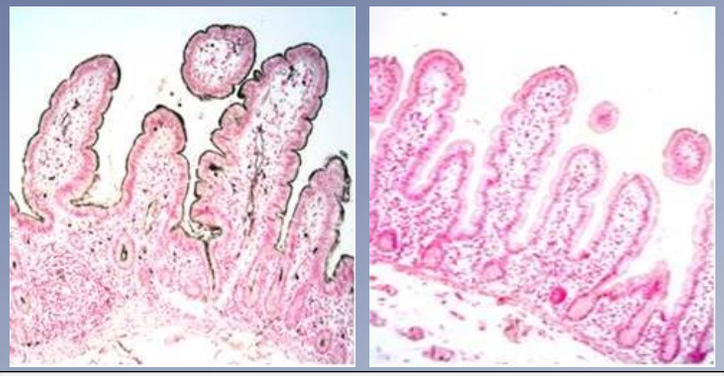
ReliaTech presents



Anti-Human CEACAM-1

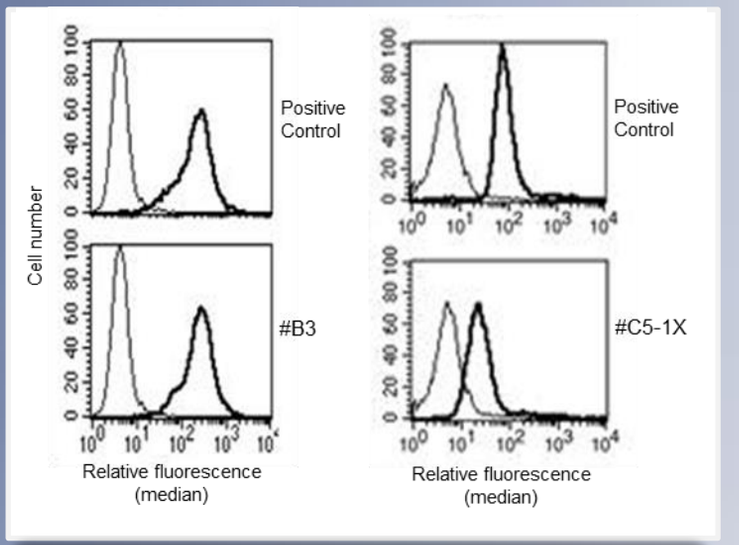
Mouse Anti-Human CEACAM-1

Carcinoembryonic antigen (CEA)-related cell adhesion molecule 1 (CEACAM1; also BGP) is a member of the CEACAM branch of the CEA gene family of the immunoglobulin superfamily. It is one of seven human CEACAM subfamily genes that are essentially divided equally between type I trans-membrane proteins (CEACAM1, 3-4) and GPI-linked molecules (CEACAM5-8). There is no CEACAM2 in human. There are three soluble and seven transmembrane isoforms. The three soluble forms also contain the first two C2-type Ig like domains, with differences coming in the third C2-type Ig- like domain. The seven transmembrane isoforms are highly divergent. Full-length mouse and rat CEACAM1 are approximately 57% aa identical to human CEACAM1. The full-length molecule is found on neutrophils, bile duct epithelium, activated NK cells, colonic columnar epithelium and endothelium.

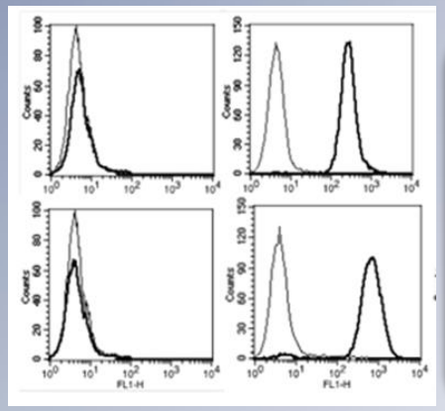


Immunohistochemistry staining of human jejunum tissue using ReliaTech's monoclonal mouse anti-human CEACAM1 antibodies clone #C5-1X **[Cat#101-M181]** (left panel) and #B3-17 **[Cat# 101-M182]** (right panel). CEACAM1 was detected in PFA-fixed paraffin-embedded sections of human jejunum tissue followed by staining with anti-mouse HRP-DAB and counterstaining with hematoxylin. The labeling showed a clear staining of CEACAM-1.

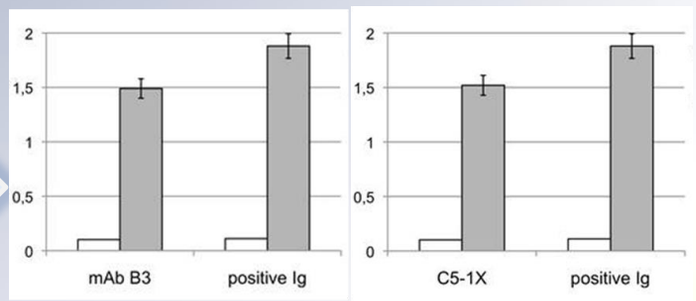
Sandwich ELISA: Solid phase was coated with 3 µg/ml anti CEA (Dako) binding human CEACAM-1. After washing, blocking and coating human CEACAM1 antigen, detecting antibody C5-1X (10 µg/ml) followed by HRP-coupled goat anti-mouse Ig was added. TMB was used for visualizing the binding measured by Tecan-ELISA reader at 450 nm. **NOTE: In Sandwich ELISA both can also be used as catcher antibody.**

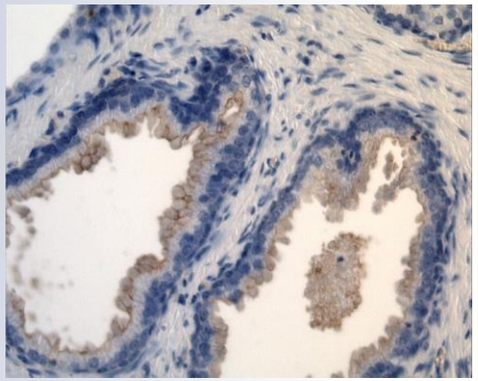


FACS analysis with stably transfected HeLa cells: 250.000 Hela-human CEACAM1 cells; 10 µg/ml of primary mouse anti-human CEACAM1 clone #B3-17 and #C5-1X, respectively. Binding was detected with a FITC-conjugated secondary antibody.

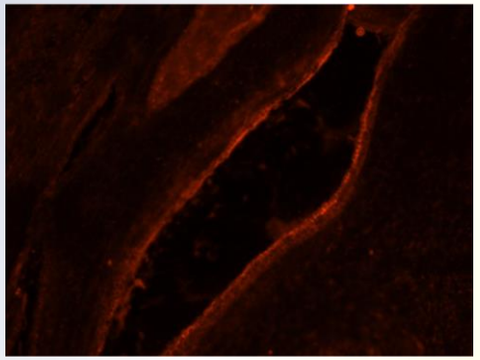


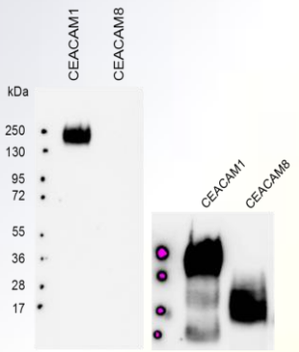
FACS anaylsis with stably transfected CHO cells expressing human CEACAM1 using a rabbit anti-human CEACAM-1 (#dN) antibody (upper lane) and positive control (lower lane). Binding was detected with a FITC-conjugated secondary antibody. Similar results were obtained with clone #D1-4.





Immunohistochemistry (IHC) staining of human prostate tissue with rabbit anti-human CEACAM-1 (#dN) [20µg/ml] with DAB staining. Similar staining was obtained with clone #D1-4.





Western blot analysis with rabbit anti-human CEACAM-1 antibodies. Left panel: anti-human CEACAM-1 (#D1-4) [**Cat# 102-PA100**]; right panel: to show that CEACAM8 was loaded the positive control staining was performed after the CEACAM1 staining. Thus both the CEACAM1 and the CEACAM8 are present in the Blot.

Rabbit Anti-Human CEACAM-1