abcam

ab59717

Anti-CEACAM19 antibody [HY-8H10]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.2 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human CEACAM19. Database link Q7Z692
Carrier free	Yes
Clone number	HY-8H10
Purification technique	Affinity purification Protein G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1.2 µg for 10^6 Cells
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target data

See full target information CEACAM19

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	CEACAM19 short for Carcinoembryonic Antigen-related Cell Adhesion Molecule 19 is a protein with a molecular weight of approximately 38 kDa. CEACAM19 belongs to the CEACAM family which includes a range of cell adhesion molecules. It is predominantly expressed in epithelial tissues where it plays an important role in mediating intercellular interactions. Its presence is often noted in tissues like the gastrointestinal tract and lungs suggesting its involvement in maintaining the structural integrity of these tissues.
Biological function summary	CEACAM19 engages in cellular adhesion and communication processes critical for tissue organization. It is not typically associated as a part of larger protein complexes but operates individually. This protein is also important in mediating interactions between cells and the extracellular matrix which is essential for cell signaling and the maintenance of cellular environments. CEACAM proteins including CEACAM19 play roles in differentiation and proliferation in epithelial cells suggesting that this protein has implications in tissue development and homeostasis.
Pathways	Other CEACAM proteins are involved in immune response and cell signaling pathways but specific pathways involving CEACAM19 need more exploration. The CEACAM family including CEACAM19 is often linked to cell signaling and immunomodulatory processes. It might interact with other members of the CEACAM family such as CEACAM5 or CEACAM6 which are known to be involved in

	similar pathways suggesting a potential collaborative or regulatory role in epithelial tissue response to stimuli.
Associated diseases and disorders	Abnormalities in CEACAM19 expression have been of interest in cancer studies particularly gastrointestinal and lung cancers. Alterations in its expression can affect tissue architecture potentially leading to tumorigenesis or aiding in metastasis. CEACAM19 may also have relevance in inflammatory disorders given its role in cell adhesion and tissue integrity indicating a connection to inflammation-related proteins such as CEACAM1 or CEACAM6 which are known to modulate inflammatory responses. Further studies are needed to elucidate the exact mechanisms of how CEACAM19 interacts within these diseases.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

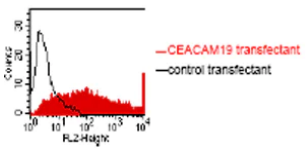
We do not recommend this combination. It is not covered by our product promise.

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1 product image



Flow Cytometry - Anti-CEACAM19 antibody [HY-8H10] (ab59717)

BOSC23 cells were transiently trans-fected with an expression vector encoding either CEACAM19 (red curve) or an irrelevant protein (control transfectant). Binding of ab59717 was detected with a PE conjugated secondary antibody. A positive signal was obtained only with CEACAM19 transfected cells.

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