

Anti-CEACAM20 antibody [HT-12D8] ab59626

画像数 2

製品の概要

製品名	Anti-CEACAM20 antibody [HT-12D8]
製品の詳細	Mouse monoclonal [HT-12D8] to CEACAM20
由来種	Mouse
特異性	ab59626 does not react with CEACAM1, CEACAM3-8 or CEACAM19-21.
アプリケーション	適用あり: Flow Cyt, ICC/IF
種交差性	交差種: Human, Recombinant fragment
免疫原	Other Immunogen Type corresponding to Human CEACAM20. cDNA encoding human CEACAM20
ポジティブ・コントロール	FACS: BOSC23 cells
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	pH: 7.20 Constituent: PBS
精製度	Protein G purified
特記事項(精製)	ab59626 was purified by protein G affinity chromatography from cell culture supernatants.
ポリ/モノ	モノクローナル
クローン名	HT-12D8
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab59626の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

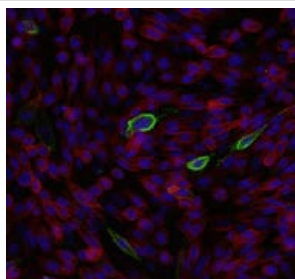
アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1.2µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		Use 1µg for 10 ⁶ cells.

ターゲット情報

関連性 CEA-related cell adhesion molecule 20 (CEACAM20) belongs to the carcinoembryonic antigen (CEA) gene family. It encodes a putative glycoprotein which is membrane-bound via a transmembrane domain. The CEACAM20 protein contains a single N domain followed by 4 immunoglobulin-like A (A1, A2) and B (B1, B2) domains. Expression of CEACAM20 can be found in tissues of prostate, testis, duodenum and small intestine with highest expression in prostate. The function of CEACAM family members varies widely: they function as cell adhesion molecules, tumor suppressors, regulators of lymphocyte and dendritic cell activation, receptors of Neisseria species and other bacteria. High expression of CEACAM20 in tissue of prostate carcinoma and in prostate carcinoma cell lines suggest that CEACAM20 can be used as a tumor marker.

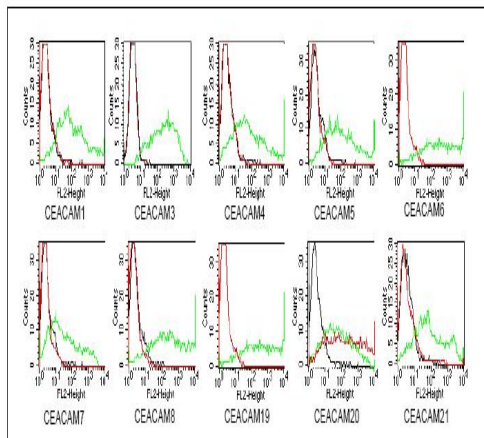
細胞内局在 Membrane; Single-pass type I membrane protein

画像



Spectral Confocal Microscopy of CHO cells using ab59626 at 1µg/10⁶ cells. CHO cells were transiently transfected with an expression vector encoding CEACAM20. Binding of HT-12D8 (ab59626) was visualized with a FITC-conjugated secondary antibody (green). Actin filaments are labeled with Alexa Fluor-555 Phalloidin (red). Cell nuclei are stained with DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Anti-CEACAM20 antibody [HT-12D8] (ab59626)



Flow Cytometry - Anti-CEACAM20 antibody [HT-12D8] (ab59626)

BOSC23 cells were transiently transfected with expression vectors containing either the cDNA of CEACAM1, CEACAM3-8 or CEACAM19-21. Expression of the constructs was tested with monoclonal antibodies known to recognize the corresponding proteins (CEACAM1, 3, 4, 5 and 6: D14HD11; CEACAM7: BAC2; CEACAM8: Tet2; CEACAM19,21: a-myc; CEACAM20: a-flag; green curves). An irrelevant monoclonal antibody served as a negative control (black curves). For specificity testing, protein G purified HT-12D8 (ab59626) was tested on all CEACAM transfectants. A positive signal was obtained only with CEACAM20 transfectants (red curve).

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