Anti-Human CEACAM6 / CD66c Antibody (FITC)

Sino Biological Inc.
Biological Solution Specialist

Catalog Number: **10823-RM03-F**

General Information	
Immunogen:	Recombinant Human CEACAM6 / CD66c protein (Catalog#10823-H08H)
Reagents:	FITC-conjugated rabbit monoclonal antibody
Specificity:	Human CEACAM6 / CD66c
Clone ID:	111
Ig Type:	Rabbit IgG
Applications:	Flow Cytometry
Concentration:	5 µl/Test, 0.2 mg/ml
Formulation:	Aqueous solution containing 0.5% BSA and 0.1% sodium azide
Storage:	2 ℃ - 8 ℃ in the dark

Preparation

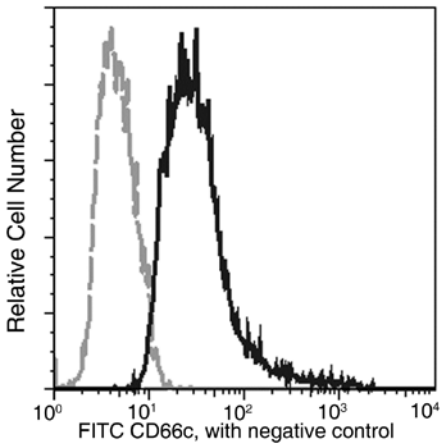
This antibody was obtained from a rabbit immunized with purified, recombinant Human CEACAM6 / CD66c (rh CEACAM6 / CD66c; 10823-H08H; Met 1-Gly 320; NP_002474.3) and conjugated with FITC under optimum conditions, the unreacted FITC was removed.

Storage

This antibody is stable for 12 months from date of receipt when stored at 2℃ - 8℃. Protected from prolonged exposure to light. **Do not freeze !**
Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal

Applications

Flow Cytometry – Flow cytometric analysis of anti-CEACAM6 (CD66c) reactivity.



Profile of anti-CEACAM6 (CD66c) reactivity on SK-BR3 cells analyzed by flow cytometry.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system.
Please refer to www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html for technical protocols.

Specificity

Human CEACAM6 / CD66c

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Background

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6), also known as nonspecific crossreacting antigen (NCA) and CD66c, is one of seven human CEACAM family members within the immunoglobulin superfamily. Human CEACAMs include type I transmembrane proteins (CEACAM-1, -3, and -4) and GPI-linked molecules (CEACAM- 5 through -8). There is no human CEACAM-2. Human CEACAM6 is a 90 kDa GPI-linked membrane protein consisting of a 34 aa signal sequence, a 286 aa extracellular domain (ECD) containing one N-terminal V-type Ig-like domain and two C2-type Ig-like domains., and a 24 aa hydrophobic C-terminal propeptide. The GPI membrane anchor is attached at the C-terminus following cleavage of the propeptide. CEACAM-6 is expressed by granulocytes and their progenitors. It is also expressed by epithelia of various organs and is upregulated in pancreatic and colon adenocarcinomas, as well as hyperplastic polyps. Resistance to adhesion-related apoptosis in tumor cells is conferred in the condition of CEACAM6 overexpression.

Reference

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