Human CEACAM-3/CD66d Alexa Fluor® 350-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4166U
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CEACAM-3/CD66d in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) CEACAM-1, rhCEACAM-5, and rhCEACAM-6 is observed and less than 5% cross-reactiv
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CEACAM-3/CD66d isoform 1 Lys35-Gly155 Accession # P40198
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CEACAM-3 (carcinoembryonic antigen-related cell adhesion molecule 3; also CD66d and CGM1) is a 31-34 kDa member of the CEACAM subfamily of the CEA family of proteins. It is expressed by neutrophils and serves as a microbial receptor for a wide range of microorganisms. Mature human CEACAM-3 is a 218 amino acid (aa) type I transmembrane glycoprotein. Its extracellular domain (aa 35-155) shows one V-type Ig-like domain (aa 35-142). There are two alternate splice forms. One shows a 40 aa substitution for the C-terminal 116 amino acids (aa 137-252), while a second shows a 31 aa substitution for the C-terminal 71 amino acids. No definitive rodent CEACAM-3 has been reported.

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