

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CEACAM-4 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human CEACAM-1, -3, -5, -6, -7, or -8 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 568410
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CEACAM-4 Phe36-Val140 Accession # O75871
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

Carcinoembryonic antigen cell adhesion molecule 4 (CEACAM-4), also known as CGM7 and W236, is a 40 kDa transmembrane glycoprotein member of the CEACAM family of proteins. Its 209 amino acid extracellular domain contains one Ig-like V-type domain. CEACAM-4 is expressed on granulocytes as well as on B and T cell lymphoblastic leukemias. Mouse and rat orthologs of CEACAM-4 have not been described.

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