

Human CEACAM-7 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: BAF4478

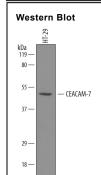
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human CEACAM-7 in Western blots. In Western blots, less than 5% cross-reactivity with recombinant human CEACAM-1, -3, -4, -5 -6, and -8 is observed.		
Source	Polyclonal Sheep IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human CEACAM-7 Asn37-Phe142 Accession # Q14002		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.		

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.

	Recommended Concentration	Sample
Western Blot	0.1 μg/mL	See Below

DATA



Detection of Human CEACAM-7 by Western Blot. Western blot shows lysates of HT-29 human colon adenocarcinoma cell line. PVDF membrane was probed with 0.1 µg/mL of Sheep Anti-Human CEACAM-7 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF4478) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for CEACAM-7 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE			
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.		
Stability & Storage	e Use a manual defrost freezer and avoid repeated freeze-thaw cycles.		
	 12 months from date of receipt, -20 to -70 °C as supplied. 		
	 1 month, 2 to 8 °C under sterile conditions after reconstitution. 		
	 6 months, -20 to -70 °C under sterile conditions after reconstitution. 		

BACKGROUND

CEACAM-7 (carcinoembryonic antigen cell adhesion molecule 7; also CGM2) is a 40-45 kDa member of the CEACAM subfamily of the CEA family of proteins. It has a restricted expression pattern, being found on epithelium of the colon, appendix and pancreatic ducts. It is markedly down-regulated in colon carcinoma. Mature human CEACAM-7 is a 209 amino acid (aa), GPI-linked glycoprotein. It contains one V-type (aa 36-142) and one C2-type (aa 146-233) Ig-like domain, plus a 21 aa C-terminal propeptide. One alternate splice form exists that shows a deletion of aa 143-235. No definitive rodent CEACAM-7 has been reported.

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