

## DESCRIPTION

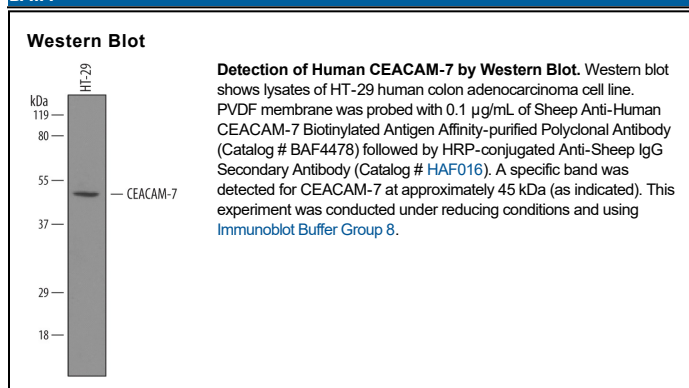
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CEACAM-7 in Western blots. In Western blots, less than 5% cross-reactivity with recombinant human CEACAM-1, -3, -4, -5, -6, and -8 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CEACAM-7 Asn37-Phe142 Accession # Q14002
<b>Formulation</b>	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
<b>Western Blot</b>	0.1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.