

## DESCRIPTION

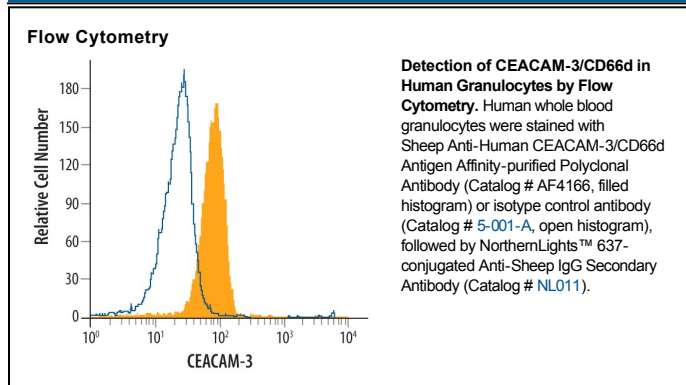
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CEACAM-3/CD66d in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) CEACAM-1, rhCEACAM-5, and rhCEACAM-6 is observed and less than 5% cross-reactivity with rhCEACAM-4, rhCEACAM-7, and rhCEACAM-8 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human CEACAM-3/CD66d isoform 1 Lys35-Gly155 Accession # P40198
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## 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	Recombinant Human CEACAM-3/CD66d
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

## 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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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-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.