

DESCRIPTION

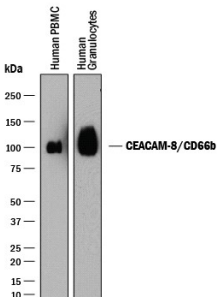
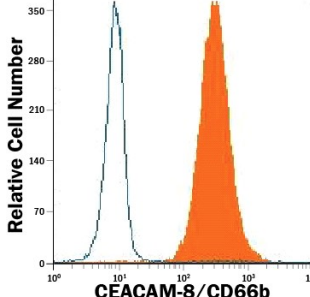
Species Reactivity	Human
Specificity	Detects human CEACAM-8/CD66b in direct ELISAs and Western blots.
Source	Recombinant Monoclonal Mouse IgG ₁ Clone # 913542
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CEACAM-8/CD66b Gln35-His141 Accession # P31997
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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
Western Blot	2 µg/mL	See Below
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

<p>Western Blot</p>  <p>Detection of Human CEACAM-8/CD66b by Western Blot. Western blot shows lysates of human peripheral blood mononuclear cells (PBMC) and human peripheral blood granulocytes. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human CEACAM-8/CD66b Monoclonal Antibody (Catalog # MAB4246) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for CEACAM-8/CD66b at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Flow Cytometry</p>  <p>Detection of CEACAM-8/CD66b in Human Blood Granulocytes by Flow Cytometry. Human peripheral blood granulocytes were stained with Mouse Anti-Human CEACAM-8/CD66b Monoclonal Antibody (Catalog # MAB4246, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B).</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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-8 (Carcinoembryonic Antigen-related Cell Adhesion Molecule 8), also known as CD66b, CD67 and NCA-95, is a 90 kDa member of the CEACAM subfamily of the CEA family of proteins. It is expressed by neutrophils and eosinophils, and serves as a binding partner for CEACAM-6 and Galectin-3. Mature human CEACAM-8 is a 287 amino acid GPI-linked glycoprotein. It contains one V-type and two C2-type Ig-like domains. No definitive rodent CEACAM-8 has been reported.