# Human CEACAM-8/CD66b Biotinylated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: BAF4246

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human |
| **Specificity** | Detects human CEACAM-8/CD66b in Western blots. In Western blots, less than 5% cross-reactivity with recombinant human (rh) CEACAM-3 and rhCEACAM-7 is observed. |
| **Source** | Polyclonal Sheep IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | *E. coli*-derived recombinant human CEACAM-8/CD66b<br>Gln35-His141<br>Accession # P31997 |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details. |

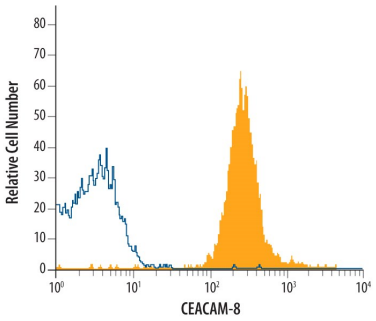
## APPLICATIONS

**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 | Recombinant Human CEACAM-8/CD66b |
| **Flow Cytometry** | 2.5 µg/$10^6$ cells | See Below |

## DATA

**Flow Cytometry**




**Detection of CEACAM-8/CD66b in Human Granulocytes by Flow Cytometry.** Human whole blood granulocytes were stained with Biotinylated Sheep Anti-Human CEACAM-8/CD66b Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF4246, filled histogram) or control antibody (Catalog # BAF020, open histogram), followed by Streptavidin-Allophycocyanin (Catalog # F0050).

## PREPARATION AND STORAGE

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|---|---|
| **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** | **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**<br>● 12 months from date of receipt, -20 to -70 °C as supplied.<br>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## BACKGROUND

CEACAM-8 (carcinoembryonic antigen-related cell adhesion molecule 8; also 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.



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