

# Anti-Human CD66a/c/e-149Sm

Catalog: 3149018B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human

Clone: ASL-32

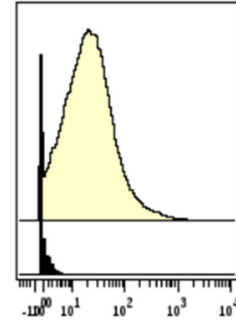
Isotype: IgG2b

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



CD66a/c/e(ASL-32)-149Sm

Human HT29 cells (top) and human HeLa cells (bottom) stained with 149Sm-anti-CD66a/c/e(ASL-32).

## Description

The ASL-32 monoclonal antibody specifically binds to an antigen epitope shared by CD66a, c and e. CD66a/c/e are members of the CEA (carcinoembryonic antigen) family of the Ig superfamily. CD66a, also known as CEACAM1 and BGP (biliary glycoprotein), is primarily expressed on granulocytes. CD66c, also known as CEACAM6, NCA is expressed on both granulocytes and epithelial cells. CD66e, also known as CEA or CEACAM5, is mainly found on epithelial cells. CD66 antigens belong to the carcinoembryonic antigen (CEA) family of molecules, which are closely related to the immunoglobulin superfamily of glycoproteins. There has been evidence that CEA family members are involved in transmembrane signaling and activation of neutrophils.

## References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

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