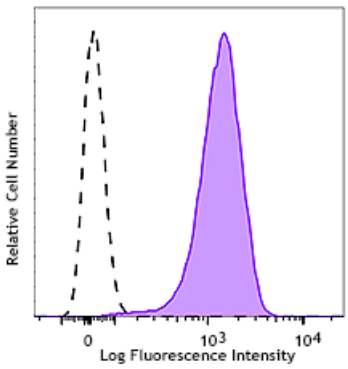
SONY

Product Data Sheet

APC/Fire™ 750 anti-human CD66a/c/e

Catalog # / Size:	2311610 / 100 tests 2311605 / 25 tests
Clone:	ASL-32
Isotype:	Mouse IgG2b, κ
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	VIII 80652
Concentration:	Lot-specific



Human peripheral blood granulocytes were stained with CD66a/c/e (clone ASL-32) APC/Fire™ 750 (closed histogram) or mouse IgG2b, κ APC/Fire™ 750 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.
Application Notes:	Clone Bu15 has a different binding epitope than clone 3.9. The binding of Bu15 with CD11c is divalent cation independent. Additional reported applications (for the relevant formats of this clone) include: inhibition of CD11c mediated adhesion and stimulation of chemokine production by monocytes.
Application References:	1. Shey MS, *et al.* 2012. *J Immunol Methods.* 376:79. PubMed.

Description:	The ASL-32 mAb reacts with an antigen epitope shared by CD66a, c and e. CD66a/c/e are members of the CEA (carcinoembryonic antigen) family of the Ig superfamily. CD66 plays a role in hemophilic and heterophilic adhesion. CD66a, also known as CEACAM1 and BGP (biliary glycoprotein), is mainly expressed on granulocytes, binds to CD66a, c, e, and CD62E. CD66c (known as CEACAM6, NCA) is expressed on granulocytes and epithelial cells. The ligands of CD66c are CD66a-e, CD62E and Galectins. CD66e molecule is also called CEA or CEACAM5, and is primarily found on epithelial cells. CD66e binds to CD66a, c and e.
Antigen References:	1. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules:The CD Markers. Wiley-Liss. A John Wiley & Sons Inc. Publication*

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