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Product Data Sheet

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Catalog # / Size: 422301 / 50 tests
422302 / 200 tests

Storage: Store between 2°C and 8°C.

Applications:

Applications: FC - *Quality tested*
ICFC, ICC - *Reported in the literature*

Recommended Usage: It is recommended to add 5 µl of Human TruStain FcX™ per 100 µl of cell suspension, mix and incubate at room temperature for 5-10 minutes prior to staining with antibody of interest. It is not necessary to wash cells between these blocking and immunostaining steps.

Application Notes: This buffer contains specialized human IgG. It is not recommended to be used for staining human IgG. Handle as biohazard agent.

Application References:

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7. Euzebio Alves VT, *et al.* 2013. *Infect Immun.* 81:4399. PubMed
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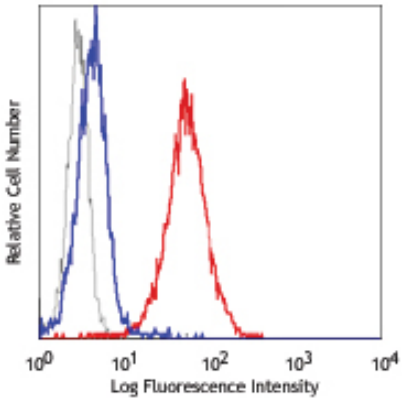
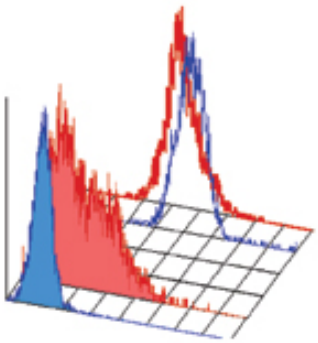
Description: Human Fc receptors (FcRs) are expressed on a variety of cells, such as monocytes, granulocytes, B cells and dendritic cells. The cells with FcR expression sometimes give false positive or false negative results of immunofluorescent staining due to the FcRs-mediated Ig Fc binding. Human TruStain FcX™ is specially formulated for blocking the FcR-involved unwanted staining without interfering with antibody-mediated specific staining of human cells. Human TruStain FcX ™ is compatible with flow cytometric staining with anti-human CD16 (clone 3G8), CD32 (clone FUN-2), and CD64 (clone 10.1) antibodies.

Other Names: Fc Blocker, FcγR blocker, Fc inhibitor



Human TruStain FcX™ treated (blue) or non-treated (red) THP-1 cells stained with an irrelevant mouse IgG1 PE mAb (above). Dotted histogram represents unstained cells.



Human TruStain FcX™ treated (filled histograms) or non-treated (open histograms) THP-1 cells stained with anti-human HLA-DR PE (red) or an isotype control (IgG2a PE, blue) mAbs. Note: non-treated cells show false-negative HLA-DR staining due to high binding of mouse IgG2a isotype.

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