

Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP

Catalog# / Size 420510 / 100 tests

Other Names Fc Receptor Blocking Solution

Description Human Fc receptors (FcRs) are molecules that regulate the immune responses. FcRs are expressed by several hematopoietic cells. Due to FcRs-mediated Ig Fc binding, false positive or false negative results of immunofluorescent staining could occur. Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP is specially formulated to block the FcR-involved unwanted staining without interfering with the antibody-mediated specific staining of human cells. Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP is compatible with flow cytometric staining with anti-human CD16 (clone 3G8), CD32 (clone FUN-2), and CD64 (clone 10.1) antibodies. Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP contains ultra-low endotoxin levels (<0.01EU/μg of protein) and is tested negative for mycoplasma and microbial growths. This GMP product is for research and further *ex vivo* bioprocessing use only.

Product Details

Formulation Serum-Free, Defined, containing no preservatives. Endotoxin level is < 0.01 EU/μg of the protein (< 0.001 ng/μg of the protein) as determined by the LAL test.

Storage & Handling Store between 2°- 8°C. Handle under aseptic conditions.

Application [FC - Quality tested](#)

Recommended Usage 5 μl of Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP per million cells in 100 μl staining buffer.

Application Notes This buffer contains specialized human IgG. It is not recommended to be used for staining human IgG. Handle as biohazard agent. Add 5 μl of Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP per million cells in 100 μl staining buffer, 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.

Antigen Details

Antigen References

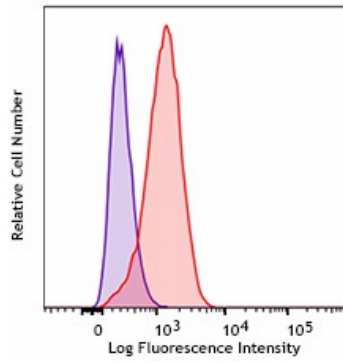
1. Bruhns P, 2012. *Blood*. 119:5640-9
2. Patera A, *et al.* 2016. *J Leukoc Biol*. 100:1239-1254. [PubMed](#)
3. Kreutmair S, *et al.* 2021. *Immunity*. 54:1578-1593. [PubMed](#)

Gene ID NA

Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Product Data



THP-1 cells were treated with Cell-Vive™ Ultra-LEAF™ Defined Human TruStain FcX™, GMP followed by staining with an irrelevant PE mouse IgG2a, κ Isotype (clone MOPC-173, purple histogram). Non-specific binding of the same antibody on untreated cells is shown in red.

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587