

Anti-Human CD95/Fas-152Sm

Catalog: 3152017B

Package size: 100 tests

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

Cross-reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Pigtailed Macaque, Sooty Mangabey, Capuchin Monkey, African Green, Tamarin, Marmoset

Clone: DX2

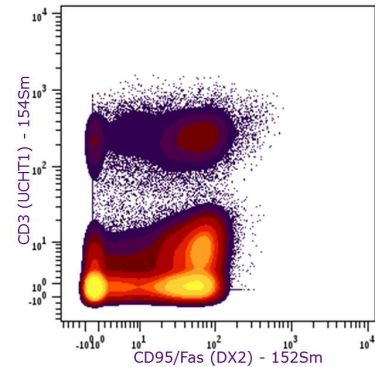
Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF[®] 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 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 154Sm-anti-CD3 (UCHT1) and 152Sm-anti-CD95/Fas (DX2). Total viable cells are displayed in the analysis.

Description

CD95, also known as Fas, APO-1 and TNFRSF6, is a 48 kDa member of the DR family, a subfamily of the tumor necrosis factor receptor superfamily. Members of the DR family are characterized by a cytoplasmic region termed the death domain. Binding of CD95 by its ligand, CD95L (CD178), induces apoptosis in sensitive cells. Ligand binding to CD95 leads to formation of a receptor complex at the cell membrane including FADD/MORT, procaspase-8, procaspase-10 and c-FLIP and results in formation of active caspase-8. CD95 is expressed on T and B lymphocytes, monocytes, neutrophils and fibroblasts.

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 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit fluidigm.com/support.

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