Mouse anti CD95 Monoclonal Antibody

Alternative Name(s): Fas, APO-1, TNFRSF6

Order Information

- **Description:** CD95
- **Catalogue:** 606-660
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** DX2
- **Application:** FC
- **Cross Reactivity:** Hu

ANTIGEN PREPARATION

Recombinant protein of human CD95

BACKGROUND

CD95 belongs to a member of the TNF-receptor superfamily. It is a 45 kD single chain type I glycoprotein also known as Fas, APO-1, and TNFRSF6. It plays a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

0.01M Phosphate-Buffered Saline (pH7.2-7.4) with 0.01% NaN3 + antibody stabilizer

SPECIFICITY

This antibody recognizes human CD95. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 5-10 µg/10^6 cells
- MW (kDa): 45 kDa
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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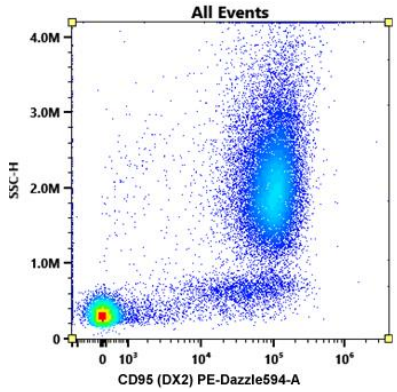
DATA ATTACHMENTS



Flow Cytometry: Human PBMC (100 ul) stained with fluorescence labeled mouse anti CD95 (Cat# 606-660) (5 ul) for 20 min @ RT

REFERENCES