Anti-Human ALDH-147Sm

Catalog: 3147015B  
Clone: 44/ALDH  
Package Size: 100 tests  
Isotype: Mouse IgG1  
Storage: Store product at 4°C. Do not freeze.  
Reactivity: Human  
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 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

![Graph showing ALDH (44/ALDH) - 147Sm](image)

**Description**

Aldehyde dehydrogenase (ALDH) is a tetrameric enzyme that oxidizes aldehydes to carboxylic acids and enables cells to resist oxidative stress. ALDH is expressed in the majority of mammalian tissues. There are multiple isoforms of ALDH; class I (cytosolic), class II (mitochondrial) and class III (microsomal). ALDH has been implicated as a cancer stem cell marker. Cells with high ALDH levels have demonstrated enhanced tumorigenicity in multiple cancer cell types. In clinical studies, high ALDH activity predicted poor survival in breast and ovarian cancer.

**References**


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