

Granzyme B Monoclonal Antibody [B18.1], FITC Conjugated

(Cat. No. A-0526)

Background

Granzymes B is serine proteases family member that is found in the granules of cytotoxic T cells (CTLs) and natural killer (NK) cells. Once a target cell is recognized, CTLs and NK cells secrete GrB and other granule proteins, including perforin, into the immunological synapse. GrB cleaves and activates, or inactivates, various protein substrates, resulting in the eventual apoptotic demise of the target cell. GrB apoptosis is also activated by adenovirus, which can effectively replace perforin. Extracellular granzyme B has been associated in the pathogenesis of vascular leakage, atherosclerosis aneurysm, chronic wound healing, and skin aging.

Description

Mouse monoclonal antibody to Granzyme B, clone B18.1 (FITC conjugated)

Formulation Liquid. In PBS containing 0.02% sodium azide.

Immunogen Recombinant human granzyme B (aa 7-227).

Specificity

Human

Isotype IgG1

Purification Serum

Storage

Store at 4°C. Avoid multiple freeze/thaw cycles.

Application

1µl of a 1mg/ml stock solution were used to stain 200'000 cells in a sample volume of 50µl, FC, ICC, IHC

Ordering Information

Product Granzyme B Monoclonal Antibody [B18.1], FITC Conjugated **Size** 100 μl **Cat. No.** A-0526-100

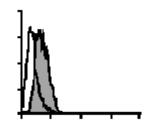


Fig. 1. Detection of granzyme B in permeabilized human CD8+ T lymphocytes (filled profile). Isotype control in combination with a secondary FITC-labeled antibody is shown as control.