

## anti-human Granzyme K FITC-conjugated

The monoclonal antibody 24C3 recognizes granzyme K expressed in activated T cells and NK cells

Granzymes are exogenous serine proteases that are stored in the cytotoxic granules of activated T cells and NK cells. Upon target cell contact, the contents of these granules are directionally exocytosed and, with the assistance of perforin, the granzymes enter the cytosol of the target cell. To date, five human granzymes (A, B, H, K, M) have been described at the molecular genetic level.

**Human granzyme K** (GZMK) is a 28 kD serine protease whose gene is located on chromosome 5q11-12 close to the granzyme A-encoding gene. Like granzyme A, it has a trypsin-like specificity cleaving at the basic residues arginine and lysine. To which extent human granzyme K plays a role in the induction of apoptosis in the target cells remains to be evaluated. High mRNA levels of granzyme K are detected in activated T cells and NK cells but are absent in normal tissues that do not contain high numbers of these cells.

<b>Clone:</b>	24C3
<b>Isotype:</b>	Mouse IgG1
<b>Physical state:</b>	Liquid for direct use
<b>Form:</b>	purified antibody conjugated with Fluorescein isothiocyanate (FITC)
<b>Buffer:</b>	PBS containing 1% BSA and 0.1% sodium azide (pH 7.4)
<b>Storage:</b>	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
<b>Application:</b>	Flow Cytometry with intracellular staining
<b>Reference:</b>	Mulder WM, Bloemena E, Stukart MJ et al., 1997, Gut 40: p: 113-119 Kummer JA, Wever PC, Kamp AM et al., 1995, Kidney Int. 47: p: 70-77
<b>Quantity:</b>	1.0 ml
<b>Order N°:</b>	H12476F

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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