

Datasheet for ABIN108721

anti-GZMK antibody**3** Images[Go to Product page](#)

Overview

| | |
|--------------|---|
| Quantity: | 100 µg |
| Target: | GZMK |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This GZMK antibody is un-conjugated |
| Application: | ELISA, Flow Cytometry (FACS), Cell-ELISA (cELISA) |

Product Details

| | |
|---------------|---|
| Immunogen: | genetic immunisation with cDNA encoding human Granzyme K |
| Clone: | GM-26E7 |
| Isotype: | IgG1 |
| Specificity: | The antibodies do not cross-react with the human granzymes A, B or M. |
| Purification: | Protein G |

Target Details

| | |
|-------------------|---|
| Target: | GZMK |
| Alternative Name: | Granzyme K (GZMK Products) |
| Background: | Granzymes are exogenous serine proteases that are stored in the cytotoxic granules of activated T cells and NK cells. GM24C3 was generated by genetic immunisation and reacts |

Target Details

with human granzyme K (GrK), a 28 kDa serine protease with trypsin-like specificity.

UniProt: [P49863](#)

Application Details

Application Notes: Flow cytometry: 1.2 µg/10⁶ cells
ELISA: 1:200 - 1:400
CELISA: 1:200 - 1:400
For each application a titration should be performed to determine the optimal concentration.

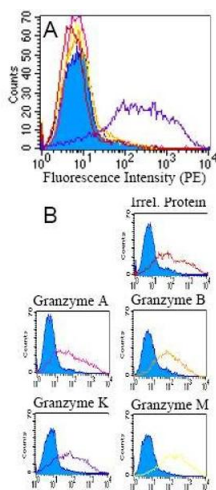
ELISA pair with GM6C3 (detector)

Restrictions: For Research Use only

Handling

Buffer: PBS, pH 7.2
Handling Advice: Avoid repeated freezing and thawing.
Storage: 4 °C
Storage Comment: short term: 2 °C - 8 °C, long term: -20 °C

Images



Flow Cytometry

Image 1. Specificity testing of GM24C3, GM26E7 and GM6C3. BOSC cells were transiently transfected with expression vectors for granzyme A, B, K and M as well as an irrelevant protein. Expression of the constructs was tested with an anti-tag monoclonal antibody (B)

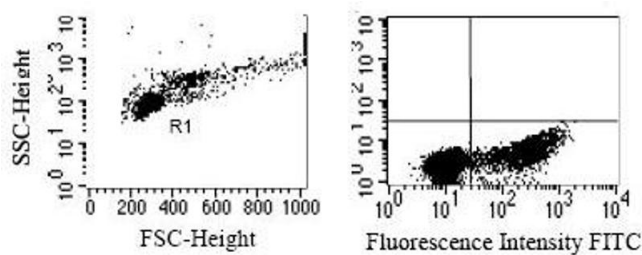
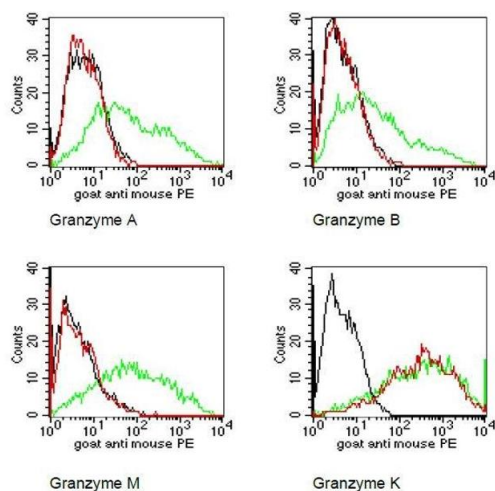


Image 2. Intracellular detection of granzyme K in humanPBMC. Mononuclear cells from peripheral blood (PBMC) were separated by Ficoll-Hypaque, fixed and permeabilised. Cells were incubated with hybridoma supernatant of GM24C3, GM26E7 or GM6C3 for 30 minutes. Bound anti



Flow Cytometry

Image 3. BOSC cells were transiently transfected with expression vectors for Granzyme A, B, K, or M. Expression of the constructs was tested with an anti-myc monoclonal antibody (green curves), an irrelevant monoclonal antibody served as negative control (black curves). For specificity testing, E7 hybridoma supernatant was tested on all transfectants. A positive signal was obtained only with Granzyme K transfected cells (red curves).