

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Granzyme K in direct ELISAs.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 2471A
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Synthetic peptide containing human Granzyme K Accession # P49863
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

\*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	25 µg/mL	Human peripheral blood mononuclear cells (PBMCs)

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

Granzymes are released by cytoplasmic granules within NK and cytotoxic T cells. They are serine proteases that induce apoptosis in the target cell. Granzymes have also been found to help initiate the inflammatory response by activating macrophages and mast cells when in an extracellular state. Granzymes have also been found to protect the body against the formation of different kinds of lymphomas.

#### References:

1. Bots, M. and JP Medema (2006). *J.Cell Sci.* **119**:5011.
2. Walch, M. *et al.* (2014). *Cell.* **157**:1309.
3. Cullen, SP. *et al.* (2010). *Cell Death Differ.* **17**:616.

#### PRODUCT SPECIFIC NOTICES

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