Human Granzyme K Alexa Fluor® 647-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2471A
Catalog Number: IC10216R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Granzyme K in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2471A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human Granzyme K Accession # P49863
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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.*

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

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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