

Granzyme B Monoclonal Antibody (GB12), PE

Product Details

Size	500 µL
Species Reactivity	Human
Published Species	Dog, Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	GB12
Conjugate	PE
Excitation/Emission Max	565/576 nm
Immunogen	Human Granzyme B.
Form	Liquid
Concentration	0.15 mg/mL
Purification	purified
Storage buffer	PBS with 10% sucrose, 4mg/mL BSA
Contains	0.1% sodium azide
Storage conditions	4° C
RRID	AB_10372671

Applications

Tested Dilution

Publications

Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Flow Cytometry (Flow)	Assay-dependent	50 Publications
Miscellaneous PubMed (Misc)	-	14 Publications

Product Specific Information

According to the literature this antibody recognizes granzyme B1 . Each lot is tested by flow cytometry using peripheral blood leukocytes. Based on this testing it is recommended that 5 µL of antibody be used per 1 x 10⁶ cells.

For R-PE conjugates excitation 488 nm/peak emission 575 nm. Matching isotype control is available: Ms IgG1 R-PE #MG104.

Immunohistochemistry (Paraffin) (1)

<p>Nature medicine</p> <p>The anaplastic lymphoma kinase is an effective oncoantigen for lymphoma vaccination.</p> <p>"MHGB04 was used in immunohistochemistry - paraffin section to test the efficacy of DNA vaccination with anaplastic lymphoma kinase in a mouse model of anaplastic large cell lymphoma"</p> <p>Authors: Chiarle R,Martinengo C,Mastini C,Ambrogio C,D'Escamard V,Forni G,Inghirami G</p>	<p>Year 2008</p> <p>Dilution 1:50</p>
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Flow Cytometry (50)

<p>iScience</p> <p>Step-dose IL-7 treatment promotes systemic expansion of T cells and alters immune cell landscape in blood and lymph nodes.</p> <p>"MHGB04 was used in flow cytometry to study treatment of T cells and immune cell landscape in blood and lymph nodes."</p> <p>Authors: Pandit H,Valentin A,Angel M,Deleage C,Bergamaschi C,Bear J,Sowder R,Felber BK,Pavlakis GN</p>	<p>Year 2023</p> <p>Species Human</p>
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<p>Nature</p> <p>MYB orchestrates T cell exhaustion and response to checkpoint inhibition.</p> <p>"MHGB04 was used in Flow cytometry/Cell sorting to identify CD62L+ TPEx cells as a stem-like population that is central to the maintenance of long-term antiviral immunity and responsiveness to immunotherapy."</p> <p>Authors: Tsui C,Kretschmer L,Rapelius S,Gabriel SS,Chisanga D,Knöpper K,Utzschneider DT,Nüssing S,Liao Y,Mason T,Torres SV,Wilcox SA,Kanev K,Jarosch S,Leube J,Nutt SL,Zehn D,Parish IA,Kastenmüller W,Shi W,Buchholz VR,Kallies A</p>	<p>Year 2022</p> <p>Species Mouse</p>
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Miscellaneous PubMed (14)

<p>International immunology</p> <p>B-CLL cells acquire APC- and CTL-like phenotypic characteristics after stimulation with CpG ODN and IL-21.</p> <p>"MHGB04 was used in flow cytometry to investigate the effect of CpG and IL-21 treatment on B-cell chronic lymphocytic leukemia."</p> <p>Authors: Hagn M,Blackwell SE,Beyer T,Ebel V,Fabricius D,Lindner S,Stilgenbauer S,Simmet T,Tam C,Neeson P,Trapani JA,Schrezenmeier H,Weiner GJ,Jahrsdörfer B</p>	<p>Year 2014</p> <p>Species Human</p>
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