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 10^6 cells.

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

65 References

Immunohistochemistry (Paraffin) (1)

Nature medicine

The anaplastic lymphoma kinase is an effective oncoantigen for lymphoma vaccination.

"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"

Authors: Chiarle R,Martinengo C,Mastini C,Ambrogio C,D'Escamard V,Forni G,Inghirami G

Year
2008

Dilution
1:50

Flow Cytometry (50)

iScience

Step-dose IL-7 treatment promotes systemic expansion of T cells and alters immune cell landscape in blood and lymph nodes.

"MHGB04 was used in flow cytometry to study treatment of T cells and immune cell landscape in blood and lymph nodes."

Authors: Pandit H,Valentin A,Angel M,Deleage C,Bergamaschi C,Bear J,Sowder R,Felber BK,Pavlakis GN

Year
2023

Species
Human

Nature

MYB orchestrates T cell exhaustion and response to checkpoint inhibition.

"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."

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

Year
2022

Species
Mouse

View more Flow references on thermofisher.com

Miscellaneous PubMed (14)

International immunology

B-CLL cells acquire APC- and CTL-like phenotypic characteristics after stimulation with CpG ODN and IL-21.

"MHGB04 was used in flow cytometry to investigate the effect of CpG and IL-21 treatment on B-cell chronic lymphocytic leukemia."

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

Year
2014

Species
Human

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