Product Datasheet

ZAP70 Antibody (orb44588)

Catalog Number	orb44588
Category	Antibodies
Description	Mouse Monoclonal to ZAP-70.
Target	ZAP70
Clonality	Monoclonal
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Purification	Purified by protein-A affinity chromatography.
Immunogen	Bacterially expressed fusion protein representing C-terminal part (160 amino acids) of human ZAP70 with histidine tag
UniProt ID	P43403
RRID	AB_10990511
Tested applications	FC, ICC, WB
Application notes	Flow cytometry: Intracellular staining; recommended dilution: 2-5 µg/ml; positive control: HPB-ALL human peripheral blood T cell leukemia cell line. Western blotting: Recommended dilution: 0.5-2 µg/ml.

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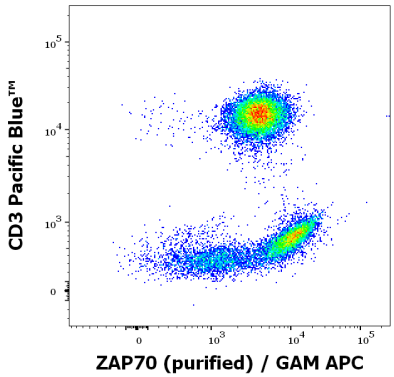
Specificity	The antibody ZAP-03 reacts with ZAP70, a 70 kDa protein tyrosine kinase expressed in T and NK cells (intracellular antigen). ZAP70 is a molecule susceptible to degradation. It is recommended to use freshly prepared cell lysates (protease inhibitors are essential) to avoid non-specific staining of degradation products.
Antibody Type	Primary Antibody
Clone Number	ZAP-03
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	**7535**
Expiration Date	12 months from date of receipt.



Flow cytometry multicolor intracellular staining of human peripheral whole blood stained using anti-ZAP70 (ZAP-03) purified antibody (concentration in sample 9 µg/ml, GAM APC) and anti-human CD3 (UCHT1) Pacific Blue™ antibody (20 µl reagent / 100 µl of peripheral whole blood).

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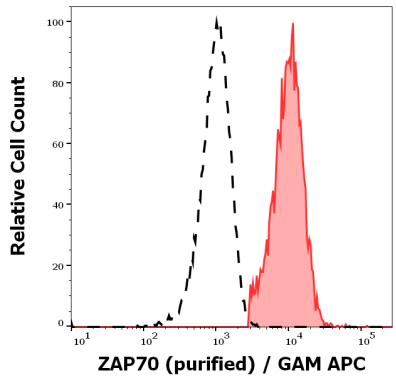
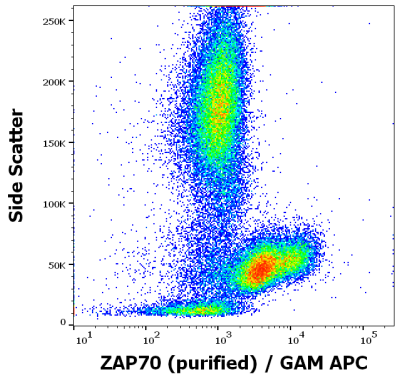
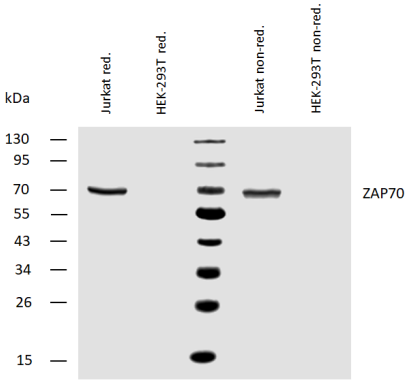


Separation of human CD3 negative ZAP70 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracellular staining) of peripheral whole blood stained using anti-ZAP70 (ZAP-03) purified antibody (concentration in sample 9 µg/ml, GAM APC).



Flow cytometry intracellular staining pattern of human peripheral whole blood using anti-ZAP70 (ZAP-03) purified antibody (concentration in sample 9 µg/ml, GAM APC).



Western blotting analysis of human ZAP70 using mouse monoclonal antibody ZAP-03 on lysates of Jurkat cell line and HEK-293T cell line (negative control) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of anti-ZAP70 mouse monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for ZAP70 protein at approximately 70 kDa.

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