

Human Hematopoietic Lineage Antibody Cocktail, FITC, eBioscience™

Product Details	
Size	50 Tests
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse
Class	Cocktail
Type	Antibody
Clone	RPA-2.10, OKT3, 61D3, CB16, HIB19, TULY56, HIR2
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	20 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_1311229

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	20 µL/test	10 Publications

Product Specific Information

Description: The human hematopoietic lineage flow cocktail contains FITC-conjugated antibodies that can be used to identify, enrich and/or deplete cells committed to the T, B, NK, myeloid and erythroid lineages based on their expression of cell surface antigens.

This cocktail contains the following antibodies:

Anti-Human CD2 (RPA-2.10) FITC

Anti-Human CD3 (OKT3) FITC

Anti-Human CD14 (61D3) FITC

Anti-Human CD16 (CB16) FITC

Anti-Human CD19 (HIB19) FITC

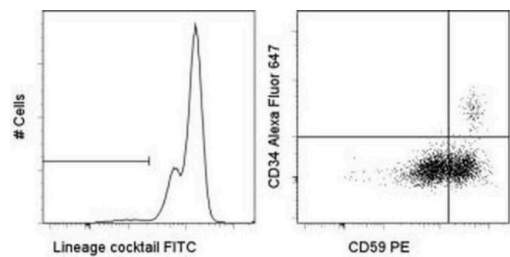
Anti-Human CD56 (TULY56) FITC

Anti-Human CD235a (HIR2) FITC

Applications Reported: Human Hematopoietic Lineage FITC Cocktail has been reported for use in flow cytometric analysis.

Applications Tested: Human Hematopoietic Lineage FITC Cocktail has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 20 µL per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Product Images For Human Hematopoietic Lineage Antibody Cocktail, FITC, eBioscience™



Human Hematopoietic Lineage Antibody (22-7778-72) in Flow
Normal human peripheral blood cells were stained with Anti-Human CD34 Alexa Fluor® 647, Anti-Human CD59 (Protectin) PE (Product # 12-0596-42), and the Human Hematopoietic Lineage FITC Cocktail. Total viable cells were used for analysis. Cells in the right dot plot are gated on lineage negative events, depicted in the left histogram.

10 References

Flow Cytometry (10)

EMBO reports pH regulates hematopoietic stem cell potential via polyamines. "22-7778-72 was used in Flow Cytometry to demonstrate that the potential of murine and human HSCs is maintained when cultivated for 2 days ex vivo at a pH of 6.9, in contrast to cultivation at the commonly used pH of 7.4." Authors: Kumar S,Vassallo JD,Nattamai KJ,Hassan A,Karns R,Vollmer A,Soller K,Sakk V,Sacma M,Nemkov T, D'Alessandro A,Geiger H	Year 2023 Species Mouse
Haematologica Aging of human hematopoietic stem cells is linked to changes in Cdc42 activity. "22-7778-72 was used in Flow cytometry/Cell sorting to investigate HSC ageing relationship with Cdc42 activity." Authors: Amoah A,Keller A,Emini R,Hoenicka M,Liebold A,Vollmer A,Eiwen K,Soller K,Sakk V,Zheng Y,Florian MC, Geiger H	Year 2022 Species Human

[View more Flow references on thermofisher.cn](#)

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