Datasheet for ABIN2144324

anti-CD45RA antibody (Biotin)

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Overview

Quantity:	50 tests
Target:	CD45RA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45RA antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Western Blotting (WB)

Product Details

Clone:	4AHI100
Isotype:	IgG2b
Characteristics:	4AHI100 reacts with the 220 kDa isoform A of CD45.

Target Details

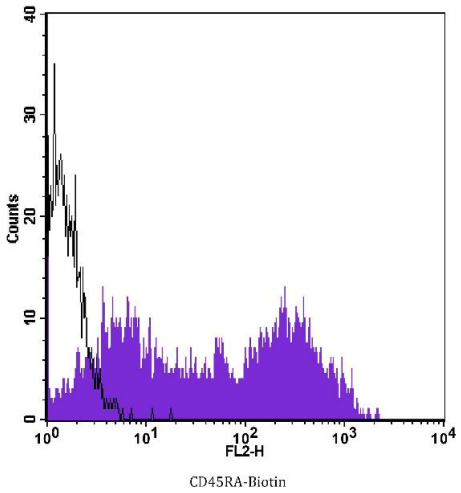
Target:	CD45RA
Alternative Name:	CD45RA (CD45RA Products)
Background:	This is clustered as CD45RA, and is expressed on naive/resting T cells and on medullart thymocytes. In comparison, CD45RO is expressed on memory/activated T cells and cortical thymocytes. CD45RA and CD45RO are useful for discriminating between naive and memory T cells in the study of the immune system.

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Assay Procedure:	• Take 100 µL peripheral blood anticoagulated by EDTA and add to the bottom of 5 mLtube, • Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood, incubate for 30 minutes at room temperature, • Add 2 ml1×RBC lysis buffer, incubate for 10 minutes after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×,Cat.: FXP001), • Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant, • Add 2 mLPBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant, • Add appropriate amount of fluorescent-labeled Streptavidin and incubate for 20 minutes away from light at room temperature. • Repeat step 5. • Add 0.5 mLPBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured). • [PBS wash buffer: PBS +1 % FBS +0.1 % NaN3, Cat.: FXP005] • [Cell fixation: 2 % formaldehyde solution]
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Phosphate-buffered solution, pH 7.4, containing and 0.2 % (w/v) BSA
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C



Flow Cytometry

Image 1.

