

TECHNICAL DATA SHEET**Human****Lymphocyte Subgroup Typing Kit**

Catalog No.	Size
FXP017	50 Tests

Product Details:

Storage Condition:	Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.
Reactivity:	Human, Not yet tested in other species.
Vol.per.Test:	20 µl/Test
Storage Buffer:	Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA
Applications:	FCM IF

REAGENTS

Human Lymphocyte subgroups analysis kit is used for analyze of Lymphocyte subgroups.

Table 1-6: Antibody information

Reagent 1: MIgG2a/MIgG1, FITC/PE (Cat# FMCD004)

Specificity:	Mouse IgG1	Mouse IgG2a
Format:	PE	FITC
Clone:	4AIB7.11	4AC44.1a
Isotype:	Mouse IgG2a	Mouse IgG2a

Reagent 2: CD45/CD14, FITC/PE (Cat# FHD011)

Specificity:	CD45	CD14
Format:	FITC	PE
Clone:	4A9.4	4A61D3
Isotype:	Mouse IgG2a	Mouse IgG1

Reagent 3: CD3/CD19, FITC/PE (Cat# FHD004)

Specificity:	hCD3	hCD19
Format:	FITC	PE
Clone:	4AOKT3	4ACB19
Isotype:	Mouse IgG2a	Mouse IgG1

Reagent 4: CD3/CD4, FITC/PE (Cat# FHD001)

Specificity:	hCD3	hCD4
Format:	FITC	PE
Clone:	4AOKT3	4AOKT4
Isotype:	Mouse IgG2a	Mouse IgG2b

Reagent 5: CD3/CD8, FITC/PE (Cat# FHD002)

Specificity:	hCD3	hCD8
Format:	FITC	PE
Clone:	4AOKT3	4ARiv11
Isotype:	Mouse IgG2a	Mouse IgG1

Reagent 6: CD3/CD16+CD56, FITC/PE (Cat# FHD005)

Specificity:	hCD3	hCD16	hCD56
Format:	FITC	PE	PE
Clone:	4AOKT3	4ACB16	4AMEM188
Isotype:	Mouse IgG2a	Mouse IgG1	Mouse IgG2a

Reagent 7: 10 x RBC Lysing Buffer (Cat# FXP001), 60 ml.

EXPERIMENTAL METHODS:

(The following is a general protocol, optimization is required for best results of your experiment. Please contact us by email or by phone for further technical support.)

1. Take 100µl peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;
2. Add 20µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light;
3. Add 2 ml 1×RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×, Cat.: FXP001);
4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant;
5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant;

6. Add 0.5 ml PBS 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]

NOTICES:

1. This reagent has been pre-diluted for use at the recommended Volume per Test;
2. We typically use 1 X 10⁶ cells in a 100µl experimental sample (a test);
3. Since applications vary, each investigator should titrate the reagent to obtain optimal results;
4. **Caution:** Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing;
5. If the sample can not be timely analysis, please fixed;
6. ***For research use only, not for diagnostic or therapeutic use.***

RELATED PRODUCTS:

Catalog No.	Product Name	Applications
FXP001	RBC Lysing Buffer	FC
FMCD004	FITC/PE Mouse IgG2a/IgG1	FC
FHD001	FITC/PE anti Human CD3/CD4	FC
FHD002	FITC/PE anti Human CD3/CD8	FC
FHD004	FITC/PE anti Human CD3/CD19	FC
FHD005	FITC/PE anti Human CD3/CD16 + 56	FC