# Mouse anti-Human CD178, PE Conjugated mAb

E16HP178

**Catalog Number:** E16HP178-050 , E16HP178-100

**Amount:** 50 Tests, 100 Tests

**Form of Antibody:** Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide

**Storage/Stability:** Store at 4°C.DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.

**Description:** The 4ANOK-1 monoclonal antibody reacts with human Fas (CD95) Ligand, a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by neutrophils, monocytes, and activated T cells and NK cells. The interaction of FasL with its receptor (CD95, Fas) induces Fas-mediated killing of lymphocytes. Human FasL is cleaved from the surface by matrix metalloproteinases (MMPs), resulting in a 26 kDa soluble form. Therefore for optimal detection of surface FasL on activated peripheral blood cells, incubation of cells with an MMP inhibitor is recommended

**Isotype:** Mouse IgG1

**Clone :** 4ANOK-1

**Reactivity:** Human,Not yet tested in other species.

**Applications:** FCM IF

**Experimental Methods:**
1.Take 100 μl peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;
2.Add 10 μl 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 ml1×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, then1000 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 ℃ 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.
We typically use 1 X 106 cells in a 100 μl experimental sample (a test);
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. 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;
4. If the sample can not be timely analysis, please fixed;
5. For research use only, not for diagnostic or therapeutic use.

**References:**
1.Suda T, Hashimoto H, Tanaka M, Ochi T, Nagata S. Membrane Fas ligand kills human peripheral blood T lymphocytes, and soluble Fas ligand blocks the killing. J Exp Med. 1997 Dec 15;186(12):2045-50.
2.Kayagaki N, Kawasaki A, Ebata T, Ohmoto H, Ikeda S, Inoue S, Yoshino K, Okumura K, Yagita H. Metalloproteinase-mediated release of human Fas ligand. J Exp Med. 1995 Dec 1;182(6):1777-83.
3.Tanaka M, Suda T, Takahashi T, Nagata S. Expression of the functional soluble form of human fas ligand in activated lymphocytes. EMBO J. 1995 Mar 15;14(6):1129-35.

**Related products:**
E16HU178 Mouse Anti-Human CD178，Purified mAb FCM IF
E16HF178 Mouse Anti-Human CD178，FITC Conjugated mAb FCM IF

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