Product Datasheet

Anti-Human CD19-FITC/CD56-PE/CD3-PE/Cyanine7/CD45-PerCP Cocktail

Catalogue Code: AGEL3479

Antibody Data

Product SKU:	**AGEL3479**	**Clone:**	**CB19 , 5.1H11 , OKT-3 , HI30 ,**
Applications:	**FCM**		
Reactivity:	**Human**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names: -

Uniprot ID: -

Background: This product is a FCM antibody cocktail made up of FITC Anti-Human CD19 [Clone: CB19] (Mouse IgG1, κ), PE Anti-Human CD56 Antibody [Clone: 5.1H11] (Mouse IgG1, κ), PE/Cyanine7 Anti-Human CD3 Antibody [Clone: OKT-3] (Mouse IgG2a, κ) and PerCP Anti-Human CD45 Antibody [Clone: HI30] (Mouse IgG1, κ).; CD19 is a single-chain transmembrane glycoprotein expressed on B cells of all stages except plasma cells. It is a common marker for B cells. CD19 is also expressed in follicular dendritic cells. It forms complex with CD21 and CD84, which forms co-receptor with BCR. It takes part in B cell development, activantion and differentiation.; CD56 is also call neural cell adhesion molecule (NCAM), expressed on neurons, glia and skeletal muscle cells. In hematopoietic cells, CD56 is also expressed on NK cells and NKT cells. CD56 can be used to detect NK cells, γ/δ T cells and activated CD8+ cells.; CD3 is a heterotetrameric protein consisting of a CD3γ, a CDδ and 2 CD3ε. It forms complex with TCR. OKT-3 recognize human CD3ε. Human CD3 is expressed on the surface of T cells and NKT cells.; CD45 is a single-chain type I transmembrane glycoprotein. Except for erythrocytes and platelets, CD45 is expressed on nearly all of the hematopoietic cells with high level. It is a common marker for blood leukocytes. CD45 is a receptor type protein tyrosine phophatase and plays essential roles in B cell and T cells signaling.

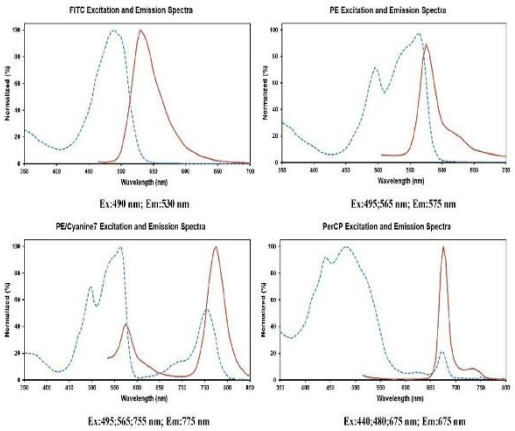
Form: Liquid

Conjugation: FITC;PE;PE/Cyanine 7;PerCP;

Size: 20 Tests, 100 Tests, 200 Tests

Host Species: -

Isotype: -



Isotype Control: -

Storage Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping: Biological ice pack at 4℃

Stability & Storage:	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.
Recommended Usage:	For whole blood samples, add 5 µL Anti-Human CD19-FITC/CD56-PE/CD3-PE/Cyanine7/CD45-PerCP Cocktail to 100 µL anticoagulant-treated blood sample. Mix and incubate the sample at 4°C in the dark for 30 min. Remove red blood cells with RBC lysis solution following the manufacturer's instruction. Wash the cell with cell staining buffer and discard the supernatant after centrifugation at 300 g for 5 min. Resuspend the cells with 200 µL cell staining buffer and load the sample on flow cytometer for detection. For other samples, 1×106 dissociated single cells are centrifuged at 300 g for 5 min with the supernatant discarded. Resuspend the cells with 100 µL cell staining buffer and add 5 µL Anti-Human CD19-FITC/CD56-PE/CD3-PE/Cyanine7/CD45-PerCP Cocktail. Mix and incubate the sample at 4°C in the dark for 30 min. Add cell staining buffer to each tube, centrifuge at 300 g for 5 min and discard the supernatant. Resuspend the cells with 200 µL cell staining buffer and load the sample on flow cytometer for detection.