Product Datasheet

Anti-Human CD3-FITC/CD16+CD56-PE Cocktail

Catalogue Code: AGEL2709

Antibody Data

Product SKU:	**AGEL2709**	**Clone:**	**OKT-3 , 3G8 , 5.1H11 ,**
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 CD3 Antibody [Clone: OKT-3] (Mouse IgG2a, κ), PE Anti-Human CD16 Antibody [Clone: 3G8] (Mouse IgG1, κ) and PE Anti-Human CD56 Antibody [Clone: 5.1H11] (Mouse IgG1, κ).; 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.; CD16 is a low affinity receptor for the Fc of IgG. Human CD16 has two isoforms, CD16a and CD16b. CD16a is expressed on NK cells, activated monocytes and macrophages. CD16b is expressed on neutrophils. NK cells exert the function of ADCC by binding Fc of IgG through CD16.; 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.;

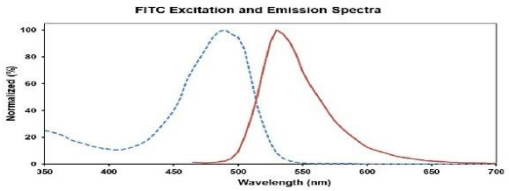
Form: Liquid

Conjugation: FITC;PE;

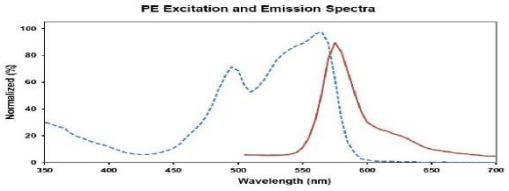
Size: 20 Tests, 100 Tests, 200 Tests

Host Species: -

Isotype: -



Ex:490 nm; Em:530 nm



Ex:495;565 nm; Em:575 nm

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 CD3-FITC/CD16+CD56-PE 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 CD3-FITC/CD16+CD56-PE 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.