SONY

Product Data Sheet

Anti-human CD3 FITC/(CD16+CD56) PE Cocktail

Catalog # / Size:	2195505 / 50 tests
Clone:	UCHT1/3G8+MEM-188
Isotype:	Mouse IgG1/IgG1/IgG2a
Reactivity:	Human
Preparation:	This reagent is a combination of FITC conjugated UCHT1 and PE conjugated 3G8 and MEM-188 in optimal concentration for two-color flow cytometric analysis.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 20 microL per million cells or 20 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	**Note:** Single color controls are required to perform instrument compensation and are not included in the kit.

Description:	CD3: UCHT1 antibody reacts with a combinatorial epitope of CD3ε, a 20 kD chain of the CD3/T-cell receptor (TCR) complex found on all mature T lymphocytes, NK-T cells and some thymocytes. CD16: 3G8 antibody reacts with CD16, a 50-65 kD transmembrane or a 48 kD GPI-anchored glycoprotein that is a member of the immunoglobulin superfamily. CD16 is expressed on NK cells, activated monocytes, macrophages, mast cells and neutrophils. CD56: MEM-188 antibody reacts with the 175 - 185 kD isoform of CD56, N-CAM (Neural Cell Adhesion Molecule), which is expressed on NK cells and a subset of $CD3^+$ T cells. CD56 is also expressed in brain (cerebellum and cortex) and at neuromuscular junctions. Certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias also express CD56.
Antigen References:	1. Barclay N, *et al.* 1993. The Leucocyte FactsBook. Academic Press. San Diego. 2. Beverly P, *et al.* 1981. *Eur. J. Immunol.* 11:329. 3. Lanier L, *et al.* 1986. *J. Immunol.* 137:2501-2507. 4. Fle