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# Certificate of Analysis and Data Sheet

## Mouse Anti-Human CD45:FITC/CD14:RPE

**Catalog No.**  
DS-MB-03081

**Target Species**  
Human

**Isotype**  
Cocktail

### Specificity

DS-MB-03081 recognizes the human leucocyte common antigen (CD45), which is expressed by all haematopoietic cells. In peripheral blood the antigen is expressed more strongly by lymphocytes than by granulocytes. Erythrocytes do not express CD45.

DS-MB-03081 recognizes a 55kDa glycoprotein expressed on the surface of monocytes and macrophages, and belongs to the CD14 cluster. Weak expression of CD14 may be detected on peripheral blood granulocytes.

### Formulation

**Product Type:** Dual Color Reagent

**Product Form:** Dual Color combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilized.

**Antibody Isotypes:** FITC reagent: IgG2a (MOUSE), RPE reagent: IgG2a (MOUSE)

**Reconstitution:** Reconstitute with 0.5 ml distilled water

**Buffer Solution:** Phosphate buffered saline pH7.4

**Preservative Stabilizers:** 0.09% Sodium Azide, 1% Bovine Serum Albumin

**Approx. Protein Concentrations:** IgG concentration 1.0 mg/ml

### Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

**DO NOT FREEZE.**

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 12 months from date of reconstitution.

### Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Flow Cytometry (1)	•			Neat

**Note:** Other applications are not tested yet. Optimal dilutions should be determined.  
(1) Use 10ul of the suggested working dilution to label  $10^6$  cells in 100ul. Method sheets are available on request.

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**