

# Product Data Sheet

## Pacific Blue™ anti-human CD15 (SSEA-1)

**Catalog # / Size:** 323021 / 25 tests  
 323024 / 100 µg  
 323022 / 100 tests

**Clone:** W6D3

**Isotype:** Mouse IgG1, κ

**Immunogen:** WERI-RB-1 retinoblastoma cell line

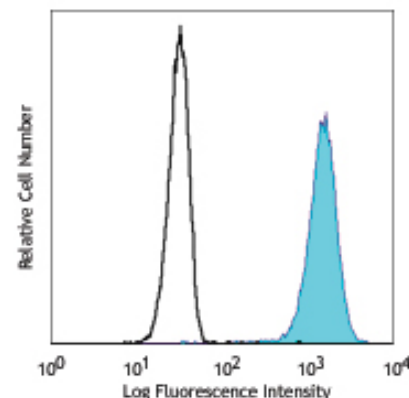
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Pacific Blue™ under optimal conditions. The solution is free of unconjugated Pacific Blue™.

**Formulation:** test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).  
 µg size: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** test sizes: lot-specific; µg size: 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood granulocytes stained with W6D3 Pacific Blue™.

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis.  
**For test sizes**, the suggested use of this reagent for immunofluorescent staining is 5 µl per 10<sup>6</sup> cells in 100 µl volume.  
**For µg size**, the suggested use of this reagent for immunofluorescent staining is ≤1.0 µg per 10<sup>6</sup> cells in 100 µl volume.  
 It is recommended that the reagent be titrated for optimal performance for each application.

\* Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

\*\* Pacific Blue™ is a registered trademark of Molecular Probes, Inc. Pacific Blue™ dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

**Description:** CD15 is 3-fucosyl-N-acetylglucosamine (3-FAL) also known as Lewis X, 3-FAL, X-hapten, and SSEA-1. CD15 is expressed on granulocytes and monocytes. It has also been shown to be expressed on Langerhans cells and some malignant cells. CD15 has been implicated in adhesion as well as chemotaxis, phagocytosis, and bactericidal activity.

**Antigen References:** 1. Stocks SC, *et al.* 1990. *Biochem. J.* 268:275.

**Related Products:**

<b>Product</b>	<b>Clone</b>	<b>Application</b>
Pacific Blue™ Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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