SONY

Product Data Sheet

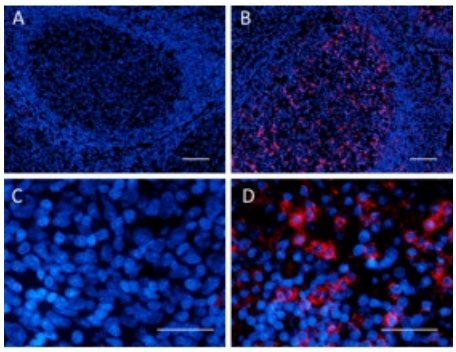
PE anti-human CD15 (SSEA-1)

Catalog # / Size:	2215030 / 100 tests 2215025 / 25 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 PE under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Workshop Number:	HCDM listed
Concentration:	Lot-specific

Human peripheral blood granulocytes stained with W6D3 PE

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 µl to 5 µl per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



IHC staining of purified anti-human CD279 (clone QA19A98) on formalin-fixed paraffin-embedded human tonsil tissue. Following antigen retrieval using 1X Tris-Buffered Saline (final concentration 0.05M) with Tween 20 (Cat. No. 925501) the tissue was incubated with blocking buffer. Tissue was then stained without (panel A) or with 10 µg/mL of primary antibody (panel B) overnight at 4°C, followed by incubation with 2.5 µg/mL of Alexa Fluor® 647 goat anti-mouse IgG (Cat. No. 405322) for one hour at room temperature. Nuclei were counterstained with DAPI (blue) (Cat. No. 422801) and images were captured with 10X (panels A and B) and 40X (panels C and D) objectives. Scale bar: 50 µm

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Description: CD15 is 3-fucosyl-N-acetyllactosamine (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.