SONY

Product Data Sheet

Pacific Blue™ anti-human TCR α/β

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Catalog # / Size:	2133580 / 100 µg 2133575 / 25 µg
Clone:	IP26
Isotype:	Mouse IgG1, κ
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:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5
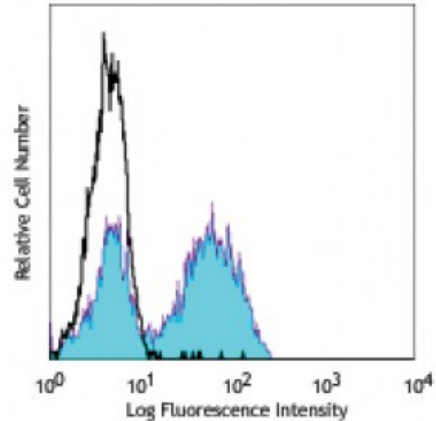
Human peripheral blood lymphocytes stained with IP26 Pacific Blue™

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 ≤ 2.0 microg per 10^6 cells in 100 microL volume or 100 microL of whole blood. 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.
Application Notes:	Additional reported applications (for the relevant formats) include: T cell activation. When co-staining with anti-CD3, we recommend using clone UCHT1, since we have confirmed that IP26 does not compete with this clone. Other anti-CD3 clones may compete out the binding of IP26.
Application References:	1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York. (FC) 2. Joseph A, *et al.* 2008. *J. Virol.* 82:3078. (FC) PubMed 3. Pinto JP, *et al.* 2010. *Immunology.* 130:217. PubMed

Description:	The IP26 antibody reacts with a monomorphic determinant of the α/β T-cell receptor, which is expressed on greater than 95% of normal peripheral blood CD3^{+} T cells. The α/β TCR recognizes a peptide bound to MHC leading to T-cell activation.
Antigen References:	1. Marchalonis J, *et al.* 2002. *J. Mol. Recognit.* 15:260.