SONY

Product Data Sheet

PE/Cy7 anti-human TCR α/β

Catalog # / Size: 2133595 / 25 tests
2133600 / 100 tests

Clone: IP26

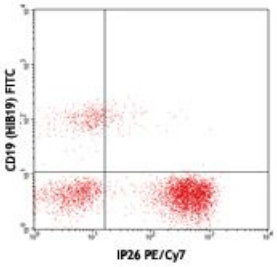
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

Concentration: Lot-specific

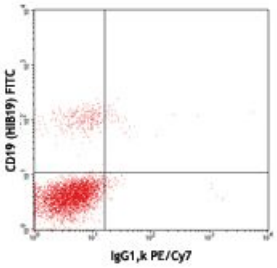


Human peripheral blood lymphocytes stained with CD19 (HIB19) FITC and IP26 PE/Cy7 (top) or mouse IgG1, κ PE/Cy7 isotype control (bottom)

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 microL to 5 microL per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



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.