

**Brilliant Violet 750™ anti-human TCR α/β**

**Catalog # / Size:** 2133725 / 25 tests  
2133730 / 100 tests

**Clone:** IP26

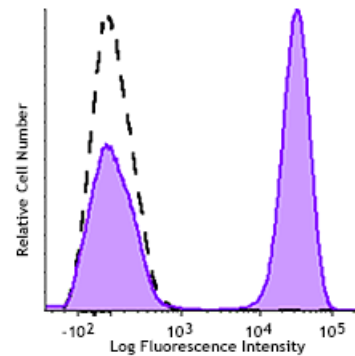
**Isotype:** Mouse IgG1, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 750™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 750™ and unconjugated antibody.

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

**Concentration:** Lot-specific



Human peripheral blood lymphocytes were stained with TCRα/β (clone IP26) Brilliant Violet 750™ (filled histogram) or Mouse IgG1, κ Brilliant Violet 750™ isotype control (open histogram).

**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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

Brilliant Violet 750™ excites at 405 nm and emits at 750 nm. The bandpass filter 780/60 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 750™ is a trademark of Sirigen Group Ltd.

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**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:**

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York. (FC)
- Joseph A, *et al.* 2008. *J. Virol.* 82:3078. (FC) [PubMed](#)
- Pinto JP, *et al.* 2010. *Immunology.* 130:217. [PubMed](#)

**Description:** The IP26 antibody reacts with a monomorphic determinant of the  $\alpha/\beta$  T-cell receptor, which is expressed on greater than 95% of normal peripheral blood CD3<sup>+</sup> T cells. The  $\alpha/\beta$  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.