

Alexa Fluor® 488 anti-human TCR α/β

Catalog # / Size: 306711 / 25 tests
306712 / 100 tests

Clone: IP26

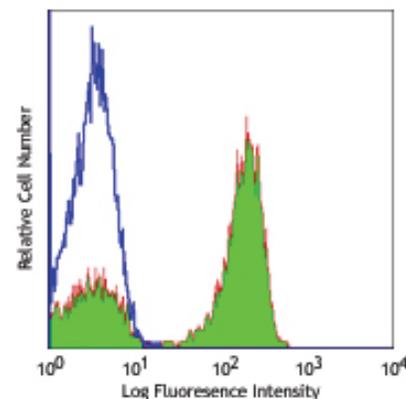
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488.

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

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



Human peripheral blood lymphocytes stained with IP26 Alexa Fluor® 488

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 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.

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
- Holm D, *et al.* 2012. *Immunobiology.* PubMed.
- Zheng M, *et al.* 2013. *Int Immunopharmacol.* 15:517. 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.

Related Products:

Product
Cell Staining Buffer
Alexa Fluor® 488 Mouse IgG1, κ Isotype Ctrl (FC)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC, ICC, ICFC
FC, IF
FC, ICC, ICFC



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