**Anti- Human TCR/**

**(11F2)**

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| --- | --- | --- |
| Fluorochrome | Reference | Size |
| CF-BlueTM | **TCRGDCFB** | **100 test** |
| PE/Cyanine7 | **TCRGDPC7-100T** | **100 test** |

**PRODUCT DESCRIPTION**

**Clone:** 11F2

**Isotype:** MouseIgG1, k

**Tested application:** flow cytometry

**Immunogen:** The anti- TCR/ monoclonal antibody derives from Sepharose® bead/CD3/γ/δ TCR complex.

**Species reactivity:** Human

**Storage instruction:** store in the dark at 2-8 ºC

**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN3).

**Recommended usage:** Immunostep’s TCR/, clone

11F2, react with a framework epitope of the γ/δ T-cell antigen receptor (TCR). This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 106 cells.

**Presentation:** liquid

**Source:** Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

**Purification:** Affinity chromatography.

**ANTIGEN DETAILS**

**Large description:** The Anti-TCRγ/δ-1 antibody, clone 11F2, is a monoclonal antibody produced by hybridizing mouse Sp2/0 myeloma cells with spleen cells from BALB/c mice immunized with a Sepharose® bead/CD3/γ/δ TCR complex.

The γ/δ TCR is a heterodimeric glycoprotein that is noncovalently associated with the CD3 antigen1. The γ and δ TCR chains consist of constant and variable regions, each encoded by distinct gene segments2. The γ chain can form either disulfide-linked or non-disulfide-linked heterodimers with the δ-subunit3.

The γ/δ TCR is involved in the recognition of a diverse array of antigens and plays a critical role in the immune response. It is particularly important in the context of non-peptide antigens and stress-induced ligands3.

This antibody is suitable for the detection and analysis of γ/δ TCR expression in various cell types using flow cytometry. It is particularly useful in research focused on T-cell development, immune response, and antigen recognition.

**Other Names:** TCRgd; γδ TCR; TRG@/TRD@; TCRG/TCRD; TCR gamma delta.

**Gene ID:** 6964, 6965

**Molecular weight:** The molecular weight of the TCRγ/δ complex is approximately 55-60 kDa.

Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

**WARRANTY**

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep’s sole liability is limited to either the replacement of the products or refund of the purchase price.

**REFERENCES**

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3. Braylan RC, Orfao A, Borowitz MJ, Davis BH. Optimal number of reagents required to evaluate hematolymphoid neoplasias: results of an international consensus meeting. Cytometry. 2001 Feb 15;46(1):23-7. doi: 10.1002/1097-0320(20010215)46:1<23::aid-cyto1033>3.0.co;2-z. Erratum in: Cytometry 2001 Apr 15;46(2):119. PMID: 11241503.

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