

# Anti-Human CD8 (143-44)



|                  |              |          |
|------------------|--------------|----------|
| FITC             | 8F1-100T     | 100 test |
| PE               | 8PE1-100T    | 100 test |
| APC              | 8A1-100T     | 100 test |
| PerCP-Cyanine5.5 | 8PPC5.5-100T | 100 test |
| APC-C750         | 8AC750-100T  | 100 test |

**RUO**

## 1. PRODUCT DESCRIPTION

- **Clone:** 143-44;
- **Isotype:** IgG1;
- **Tested application:** flow cytometry;
- **Immunogen:** The anti-CD8 monoclonal antibody derives from T cells;
- **Species reactivity:** Human;
- **Storage instruction:** store in the dark at 2-8 °C;
- **Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>);
- **Recommended usage:** Immunostep's CD8, clone 143-44, is a monoclonal antibody intended for the identification and enumeration of human T cells suppressor/cytotoxic using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>6</sup> cells;
- **Presentation:** liquid;
- **Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- **Purification:** Affinity chromatography;
- **Other names:** T8, Leu2;
- **Gene ID:** 925;
- **Molecular weight:** 30/32 kDa.

## 2. ANTIGEN DETAILS

**Large description:** The monoclonal antibody is directed against the CD8-antigen (T8-antigen), which is expressed on human T lymphocytes. The monoclonal antibody reacts with 20-30% of human peripheral T lymphocytes. The monoclonal antibody reacts with T lymphocytes with suppressor-cell activity in pokeweed mitogen- stimulated immunoglobulin production, as was shown in separation experiments (i.e., "panning"). The monoclonal antibody does not react with B-cells, monocytes, granulocytes and platelets.<sup>(1,5)</sup>

## 3. 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.

## 4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.







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## 5. REFERENCES

1. Lyle S, Christofidou-Solomidou M, Liu Y, Elder DE, Albelda S, Cotsarelis G. Human hair follicle bulge cells are biochemically distinct and possess an epithelial stem cell phenotype. *J Investig Dermatol Symp Proc*1999 Dec;4(3):296-301.
2. Mason DY, Cordell JL, Gaulard P, Tse AG, Brown MH. Immunohistological detection of human cytotoxic/suppressor T cells using antibodies to a CD8 peptide sequence. *J Clin Pathol*1992 Dec;45(12):1084-8.
3. Nuckols JD, Shea CR, Horenstein MG, Burchette JL, Prieto VG. Quantitation of intraepidermal T-cell subsets in formalin-fixed, paraffin-embedded tissue helps in the diagnosis of mycosis fungoides. *J Cutan Pathol*1999 Apr;26(4):169-75.
4. Takahashi K, Nakata M, Tanaka T, Adachi H, Nakauchi H, Yagita H, et al. CD4 and CD8 regulate interleukin 2 responses of T cells. *Proc Natl Acad Sci U S A*1992 Jun 15;89(12):5557-61.
5. Yamagata K, Tanaka M, Kudo H. A quantitative immunohistochemical evaluation of inflammatory cells at the affected and unaffected sites of inflammatory bowel disease. *J Gastroenterol Hepatol*1998 Aug;13(8):801-8.

## 6. EXPLANATION OF SYMBOLS

|                                                                                     |                          |
|-------------------------------------------------------------------------------------|--------------------------|
|  | Fluorochrome             |
|  | Product reference        |
|  | Content for <n> analysis |
|  | Regulatory Status        |
|  | Research Use Only        |
|  | Manufacturer             |

## 7. MANUFACTURED BY:

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