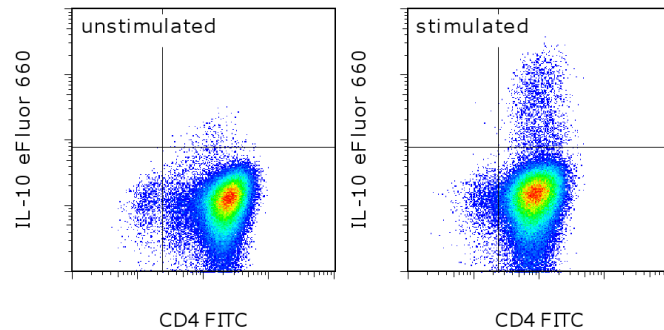


## Anti-Human IL-10 eFluor<sup>®</sup> 660 (Alexa Fluor<sup>®</sup> 647 Replacement)

**Catalog Number:** 50-7108

**Also known as:** Interleukin-10, IL10

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



CD4<sup>+</sup> human peripheral blood cells were polarized under Th2 conditions then were unstimulated (left) or stimulated for 5 hours with Cell Stimulation Cocktail (plus protein transport inhibitors) (cat. 00-4975). Cells were intracellularly stained with Anti-Human CD4 FITC (cat. 11-0049) and Anti-Human IL-10 eFluor<sup>®</sup> 660 using the Fixation & Permeabilization Buffers (cat. 88-8824). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human IL-10 eFluor<sup>®</sup> 660 (Alexa Fluor<sup>®</sup> 647 Replacement)

**REF** **Catalog Number:** 50-7108

**Clone:** JES3-9D7

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test

**Host/Isotype:** Rat IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The JES3-9D7 monoclonal antibody reacts with human interleukin-10 (IL-10).

### Applications Reported

This JES3-9D7 antibody has been reported for use in flow cytometric analysis, and intracellular staining followed by flow cytometric analysis.

### Applications Tested

This JES3-9D7 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of Th2 polarized and stimulated human peripheral blood cells. This can be used at 5  $\mu$ L (0.125  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**eFluor<sup>®</sup> 660 is a replacement for Alexa Fluor<sup>®</sup> 647. eFluor<sup>®</sup> 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

### References

Nowacki TM, Kuerten S, Zhang W, Shive CL, Kreher CR, Boehm BO, Lehmann PV, Tary-Lehmann M. Granzyme B production distinguishes recently activated CD8(+) memory cells from resting memory cells. *Cell Immunol.* 2007 May;247(1):36-48. (**JES3-9D7**, ELISPOT, PubMed)

Sendide K, Deghmane AE, Pechkovsky D, Av-Gay Y, Talal A, Hmama Z. Mycobacterium bovis BCG attenuates surface expression of mature class II molecules through IL-10-dependent inhibition of cathepsin S. *J Immunol.* 2005 Oct 15;175(8):5324-32. (**JES3-9D7**, FA, PubMed)

Martin M, Schifferle RE, Cuesta N, Vogel SN, Katz J, Michalek SM. Role of the phosphatidylinositol 3 kinase-Akt pathway in the regulation of IL-10 and IL-12 by Porphyromonas gingivalis lipopolysaccharide. *J Immunol.* 2003 Jul 15;171(2):717-25. (**JES3-9D7**, NU in vitro, PubMed)

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Chandler SW, Rassekh CH, Rodman SM, Ducatman BS. Immunohistochemical localization of interleukin-10 in human oral and pharyngeal carcinomas. Laryngoscope. 2002 May;112(5):808-15. (JES3-9D7, IHC paraffin)

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Immunol Rev. 1992 Jun;127:5-24.

### Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)

11-0049 Anti-Human CD4 FITC (RPA-T4)

50-4301 Rat IgG1 K Isotype Control eFluor® 660 (Alexa Fluor® 647 Replacement)

88-8824 Intracellular Fixation & Permeabilization Buffer Set

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