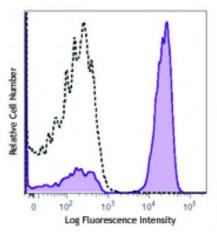
Product Data Sheet

Alexa Fluor® 700 anti-human CD3

Catalog # / Size:	2186700 / 100 tests 2186695 / 25 tests
Clone:	ОКТЗ
Isotype:	Mouse IgG2a, к
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD3 (clone OKT3) Alexa Fluor® 700 (filled histogram) or mouse IgG2a, κ Alexa Fluor® 700 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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
	* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.
Application Notes:	The OKT3 monoclonal antibody reacts with an epitope on the epsilon-subunit within the human CD3 complex.
	Clone OKT3 can block the binding of clones SK7 and UCHT1.4 The OKT3 antibody is able to induce T cell activation. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections and activation of T cells. The LEAF ^{M} purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 317304). For highly sensitive assays, we recommend Ultra-LEAF ^{M} purified antibody (Cat. No. 317326) with a lower endotoxin limit than standard LEAF ^{M} purified antibodies (Endotoxin <0.01 EU/microg).
Application References:	 Schlossman S, <i>et al.</i> Eds. 1995. Leucocyte Typing V. Oxford University Press. New York. Knapp W. 1989. Leucocyte Typing IV. Oxford University Press New York. Barclay N, <i>et al.</i> 1997. The Leucocyte Antigen Facts Book. Academic Press Inc. San Diego. Li B, <i>et al.</i> 2005. <i>Immunology</i> 116:487. Jeong HY, <i>et al.</i> 2008. <i>J. Leuckocyte Biol.</i> 83:755. <u>PubMed</u> Alter G, <i>et al.</i> 2008. <i>J. Virol.</i> 82:9668. <u>PubMed</u>

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- 8. Pinto JP, et al. 2010. Immunology. 130:217. PubMed
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Antigen	1. Barclay N, et al. 1993. The Leucocyte FactsBook. Academic Press. San Diego.
References:	2. Beverly P, <i>et al.</i> 1981. <i>Eur. J. Immunol.</i> 11:329.
	3. Lanier L, <i>et al.</i> 1986. <i>J. Immunol.</i> 137:2501.