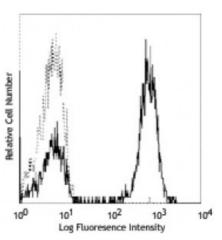
## **Product Data Sheet**

## **Purified anti-human CD3**

Catalog # / Size:	2102005 / 25 μg 2102010 / 100 μg
Clone:	UCHT1
Isotype:	Mouse IgG1, к
<b>Reactivity:</b>	Human
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	III 471
Concentration:	0.5



Human peripheral blood lymphocytes stained with purified UCHT1 and then detected with antimouse IgGs FITC

## **Applications:**

Applications:	Other
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 $\leq 0.25$ microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections <sup>4,6,7</sup> and formalin- fixed paraffin-embedded sections <sup>11</sup> , immunoprecipitation1, activation of T cells <sup>2,3,5</sup> , and Western blotting <sup>9</sup> . The LEAF <sup><math>TM</math></sup> purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 300414). For highly sensitive assays, we recommend Ultra-LEAF <sup><math>TM</math></sup> purified antibody (Cat. No. 300438) with a lower endotoxin limit than standard LEAF <sup><math>TM</math></sup> purified antibodies (Endotoxin <0.01 EU/microg).
Application References:	<ol> <li>Salmeron A, <i>et al.</i> 1991. <i>J. Immunol.</i> 147:3047. (IP)</li> <li>Graves J, <i>et al.</i> 1991. <i>J. Immunol.</i> 146:2102. (Activ)</li> <li>Lafont V, <i>et al.</i> 2000. <i>J. Biol. Chem.</i> 275:19282. (Activ)</li> <li>Ryschich E, <i>et al.</i> 2003. <i>Tissue Antigens</i> 62:48. (IHC)</li> <li>Thompson AG, <i>et al.</i> 2004. <i>J. Immunol.</i> 173:1671. (Activ)</li> <li>Sakkas LI, <i>et al.</i> 1998. <i>Clin. Diagn. Lab. Immun.</i> 5:430. (IHC)</li> <li>Mack CL, <i>et al.</i> 2004. <i>J. Immunol.</i> 180:7431. (FC) PubMed</li> <li>Van Dongen JJM, <i>et al.</i> 1988. <i>Blood</i> 71:603. (WB)</li> <li>Yoshino N, <i>et al.</i> 2000. <i>Exp. Anim. (Tokyo)</i> 49:97. (FC)</li> <li>Pollard, K. <i>et al.</i> 1987. <i>J. Histochem. Cytochem.</i> 35:1329. (IHC)</li> <li>Laurent AJ, <i>et al.</i> 2013. <i>J. Immunol.</i> 190:27. PubMed</li> <li>Laurent AJ, <i>et al.</i> 2014. <i>PLoS One.</i> 9:103683. PubMed</li> <li>Li J, <i>et al.</i> 2015. <i>Cancer Res.</i> 75:508. PubMed</li> </ol>

Description: CD3ɛ is a 20 kD chain of the CD3/T-cell receptor (TCR) complex which is

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Antigen
1. Barclay N, *et al.* 1993. The Leucocyte FactsBook. Academic Press. San Diego.
2. Beverly P, *et al.* 1981. *Eur. J. Immunol.* 11:329.
3. Lanier L, *et al.* 1986. *J. Immunol.* 137:2501-2507.