

# Anti-Cortical Thymocytes antibody [ICO-44] ab24235

### Overview

<b>Product name</b>	Anti-Cortical Thymocytes antibody [ICO-44]
<b>Description</b>	Mouse monoclonal [ICO-44] to Cortical Thymocytes
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue/ cell preparation (Human): peripheral blood lymphocytes.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Constituent: Ascites
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	ICO-44
<b>Isotype</b>	IgG1

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab24235 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.

## Target

**Relevance** CTXL, a cortical thymocyte marker is a member of the immunoglobulin (Ig) superfamily and has features of both antigen specific receptors and adhesion molecules. This protein contains a signal peptide, an extracellular V type Ig like domain followed by a C2 type Ig like domain, a transmembrane region devoid of charged residues, and a cytoplasmic tail. There are multiple N glycosylation sites in the extracellular region and phosphorylation sites in the cytoplasmic tail. Northern blot analysis revealed CTH expression in stomach, colon, prostate, trachea, and thyroid gland, with lower levels in bladder and lung. CTH expression was not detected in thymus, although CTH could be amplified by PCR from a thymus cDNA library.

**Cellular localization** Type I membrane protein.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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