

Product datasheet

Anti-ICOS antibody [7E.17G9] ab95630

1 Image

Overview

Product name	Anti-ICOS antibody [7E.17G9]
Description	Rat monoclonal [7E.17G9] to ICOS
Host species	Rat
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Mouse ICOS cDNA and ICOS hexahistidine fusion protein.
Positive control	Three day ConA activated BALB/c splenocytes or Mouse splenocyte suspensions
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.87% Sodium chloride, PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	7E.17G9
Isotype	IgG2b
Light chain type	kappa

Applications

Applications

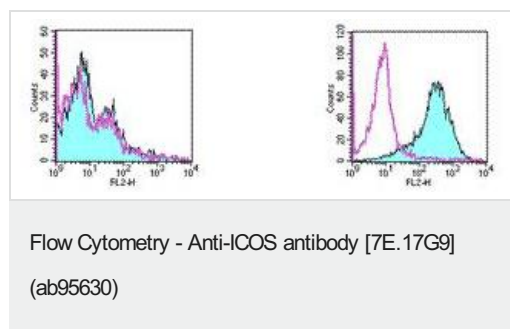
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab95630 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.06-1 µg for 10 ⁵⁻⁸ cells. A 100 µl volume is recommended for staining the cell sample. ab19526 Rat monoclonal IgG2b is suitable for use as an

Target

Function	Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.
Tissue specificity	Activated T-cells. Highly expressed on tonsillar T-cells, which are closely associated with B-cells in the apical light zone of germinal centers, the site of terminal B-cell maturation. Expressed at lower levels in thymus, lung, lymph node and peripheral blood leukocytes. Expressed in the medulla of fetal and newborn thymus.
Involvement in disease	Immunodeficiency, common variable, 1
Sequence similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Post-translational modifications	N-glycosylated.
Cellular localization	Secreted and Cell membrane.

Images



Staining of unstimulated (left) and 3 day ConA activated (right) BALB/c splenocytes with 0.06 µg of Rat IgG2b Isotype Control (open histogram) or 0.06 µg of ab95630 (filled histogram) followed by Anti-Rat IgG Biotin and Streptavidin PE. Total viable cells were used for analysis.

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

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