

## Product datasheet

# FITC Anti-CD40 antibody [HM40-3] ab95535

4 References 1 Image

### Overview

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<b>Product name</b>	FITC Anti-CD40 antibody [HM40-3]
<b>Description</b>	FITC Armenian hamster monoclonal [HM40-3] to CD40
<b>Host species</b>	Armenian hamster
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mouse CD40. (BALB/c x NZB) F1 mouse-derived lymphoma WEHI-231 cells.
<b>Positive control</b>	Mouse BALB/c splenocytes
<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 2.9% Sodium chloride, PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HM40-3
<b>Isotype</b>	IgM
<b>Light chain type</b>	kappa

## Applications

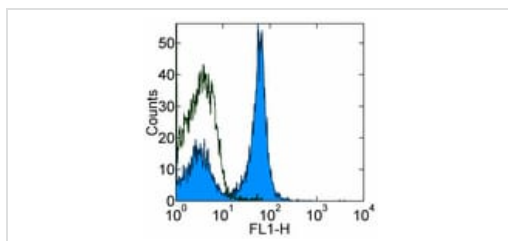
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab95535 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1 µg for 10 <sup>5-8</sup> cells. Staining the cell sample in a final volume of 100 µl is recommended.

## Target

<b>Function</b>	Receptor for TNFSF5/CD40LG.
<b>Tissue specificity</b>	B-cells and in primary carcinomas.
<b>Involvement in disease</b>	Defects in CD40 are the cause of hyper-IgM immunodeficiency syndrome type 3 (HIGM3) [MIM:606843]; also known as hyper-IgM syndrome 3. HIGM3 is an autosomal recessive disorder which includes an inability of B cells to undergo isotype switching, one of the final differentiation steps in the humoral immune system, an inability to mount an antibody-specific immune response, and a lack of germinal center formation.
<b>Sequence similarities</b>	Contains 4 TNFR-Cys repeats.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



Flow Cytometry - FITC Anti-CD40 antibody [HM40-3]  
(ab95535)

Flow cytometry staining of BALB/c splenocytes with 0.5 µg of Armenian Hamster IgG Isotype Control FITC (open histogram) or 0.5 µg of ab95535 (filled histogram). 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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