

## Product datasheet

# Anti-ZAP70 antibody [1E7.2] (FITC) ab119853

## 2 References

### 概述

<b>产品名称</b>	Anti-ZAP70抗体[1E7.2] (FITC)
<b>描述</b>	小鼠单克隆抗体[1E7.2] to ZAP70 (FITC)
<b>宿主</b>	Mouse
<b>偶联物</b>	FITC. Ex: 493nm, Em: 528nm
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human
<b>免疫原</b>	Synthetic peptide: RRIDTLNSDGYTPEPARITSPDKPRP conjugated to KLH, corresponding to amino acids 282-307 of Human ZAP70. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	Human blood cells.
<b>常规说明</b>	The reagent is free of unconjugated FITC and adjusted for direct use.

### 性能

<b>形式</b>	Prediluted
<b>存放说明</b>	Shipped at 4°C. Store at +4°C.
<b>存储溶液</b>	Preservative: 0.1% Sodium azide Constituents: 99% PBS, 0.2% BSA
<b>纯度</b>	Size exclusion
<b>克隆</b>	单克隆
<b>克隆编号</b>	1E7.2
<b>同种型</b>	IgG1

### 应用

Our [Abpromise guarantee](#) covers the use of **ab119853** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt		Use 10µl for 10 <sup>6</sup> cells. <a href="#">ab91356</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## 靶标

<b>功能</b>	Plays a role in T-cell development and lymphocyte activation. Essential for TCR-mediated IL-2 production. Isoform 1 induces TCR-mediated signal transduction, isoform 2 does not.
<b>组织特异性</b>	Expressed in T- and natural killer cells.
<b>疾病相关</b>	Defects in ZAP70 are the cause of selective T-cell defect (STD) [MIM:176947]. STD is an autosomal recessive form of severe combined immunodeficiency characterized by a selective absence of CD8-type T-cells.
<b>序列相似性</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. SYK/ZAP-70 subfamily. Contains 1 protein kinase domain. Contains 2 SH2 domains.
<b>结构域</b>	The SH2 domains bind to the phosphorylated tyrosine-based activation motif (TAM) of CD3Z and the non-canonical phosphorylated tyrosine-based activation motif (TAM) of RHOH.
<b>翻译后修饰</b>	Phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation. Tyr-319 phosphorylation is essential for full activity.
<b>细胞定位</b>	Cytoplasm. Cell membrane. After antigen stimulation, isoform 1 concentrates at the immunological synapse and isoform 2 remains cytoplasmic. Co-localizes together with RHOH in the immunological synapse. RHOH is required for its proper localization to the cell membrane and cytoskeleton fractions in the thymocytes.

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