

Anti-ADAM17 antibody [1F6] ab57484

★★★★★ [5 Abreviews](#) [18 References](#) [2 图像](#)

概述

产品名称	Anti-ADAM17抗体[1F6]
描述	小鼠单克隆抗体[1F6] to ADAM17
宿主	Mouse
经测试应用	适用于: IHC-P, ICC/IF, Flow Cyt
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment: RADPDPMKNT CKLLVVADHR FYRYMGRGEE STTTNYLIEL IDRVDDIYRN TSWDNAGFKG YGIQIEQIRI LKSPQEVKPG EKHYNMAKSY PNEEKDAWDV , corresponding to amino acids 215-315 of Human ADAM17 Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	IHC-P: Human small intestine. Flow Cyt: HeLa cell lysate.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 25/02/19. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituents: 8% Sodium chloride, 0.6% Dibasic monohydrogen sodium phosphate, 0.2% Monobasic dihydrogen potassium phosphate, 0.2% Potassium chloride, 91% Water
纯度	Tissue culture supernatant
克隆	单克隆

克隆编号	1F6
同种型	IgG2b
轻链类型	kappa

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab57484于以下的经测试应用

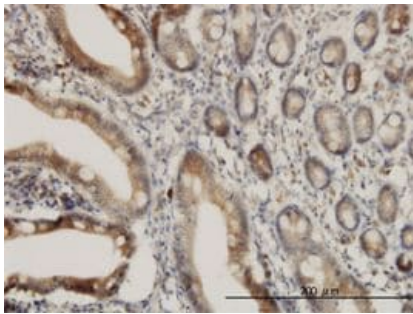
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. (methanol fixed cells) ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

靶标

功能	Cleaves the membrane-bound precursor of TNF-alpha to its mature soluble form. Responsible for the proteolytical release of soluble JAM3 from endothelial cells surface. Responsible for the proteolytic release of several other cell-surface proteins, including p75 TNF-receptor, interleukin 1 receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, growth hormone receptor, MUC1 and the amyloid precursor protein. Also involved in the activation of Notch pathway.
组织特异性	Ubiquitously expressed. Expressed at highest levels in adult heart, placenta, skeletal muscle, pancreas, spleen, thymus, prostate, testes, ovary and small intestine, and in fetal brain, lung, liver and kidney.
序列相似性	Contains 1 disintegrin domain. Contains 1 peptidase M12B domain.
结构域	Must be membrane anchored to cleave the different substrates. The cytoplasmic domain is not required for the this activity. Only the catalytic domain is essential to shed TNF and p75 TNFR. The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
翻译后修饰	The precursor is cleaved by a furin endopeptidase. Phosphorylated. Stimulation by growth factor or phorbol 12-myristate 13-acetate induces phosphorylation of Ser-819 but decreases phosphorylation of Ser-791.
细胞定位	Membrane.

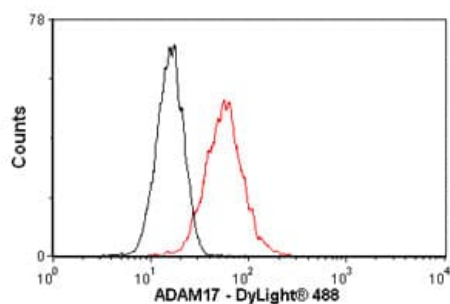
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAM17 antibody [1F6] (ab57484)

ADAM17 antibody (ab57484) used in immunohistochemistry at 3µg/ml on formalin fixed and paraffin embedded human small Intestine.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-ADAM17 antibody [1F6] (ab57484)

Overlay histogram showing HeLa cells stained with ab57484 (red line). The cells were fixed with methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab57484, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] ([ab91366](#), 2µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed. This antibody gave a decreased signal in HeLa cells fixed with 4% paraformaldehyde (10 min) used under the same conditions.

Please note that Abcam do not have data for use of this antibody on non-fixed cells. We welcome any customer feedback.

This image was generated using the ascites version of the product.

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