

# FITC Anti-CD13 antibody [R3-63] ab33486

## 1 References

### 概述

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|-------|---|
| 产品名称  | FITC荧光Anti-CD13抗体[R3-63]  |
| 描述    | FITC荧光大鼠单克隆抗体[R3-63] to CD13  |
| 宿主    | Rat   |
| 偶联物   | FITC. Ex: 493nm, Em: 528nm  |
| 特异性   | Recognizes mouse aminopeptidase N (APN), a cell surface protein homologous with human CD13.   |
| 经测试应用 | <b>适用于:</b> Flow Cyt  |
| 种属反应性 | <b>与反应:</b> Mouse   |
| 免疫原   | Full length native protein (purified) corresponding to Mouse CD13. Mouse intestinal APN   |
| 常规说明  | <p>In the mouse, CD13 is a non-covalently linked homodimer of approximately 150kD subunits expressed by a variety of cells including monocytes, macrophages, dendritic cell and veiled cells. Clone R3-63 has been reported to block mouse APN enzyme activity.</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&amp;As</p> |

### 性能

|      |   |
|------|---|
| 形式   | Liquid  |
| 存放说明 | Shipped at 4°C. Store at +4°C.  |
| 存储溶液 | pH: 7.40<br>Preservative: 0.09% Sodium azide<br>Constituents: PBS, 1% BSA                     |
| 纯度   | Protein G purified  |
| 纯化说明 | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |

## Primary antibody说明

In the mouse, CD13 is a non-covalently linked homodimer of approximately 150kD subunits expressed by a variety of cells including monocytes, macrophages, dendritic cell and veiled cells. Clone R3-63 has been reported to block mouse APN enzyme activity.

## 克隆

单克隆

## 克隆编号

R3-63

## 同种型

IgG2a

## 应用

### The Abpromise guarantee

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“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   |
|----------|------|--|
| Flow Cyt |      | Use at an assay dependent concentration.<br>Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul. <b>ab18446</b> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |

## 靶标

### 功能

Broad specificity aminopeptidase. Plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. May play a critical role in the pathogenesis of cholesterol gallstone disease. May be involved in the metabolism of regulatory peptides of diverse cell types including small intestinal and tubular epithelial cells, macrophages, granulocytes and synaptic membranes from the CNS. Found to cleave antigen peptides bound to major histocompatibility complex class II molecules of presenting cells and to degrade neurotransmitters at synaptic junctions. Is also implicated as a regulator of IL-8 bioavailability in the endometrium, and therefore may contribute to the regulation of angiogenesis. Is used as a marker for acute myeloid leukemia and plays a role in tumor invasion. In case of human coronavirus 229E (HCoV-229E) infection, serves as receptor for HCoV-229E spike glycoprotein. Mediates as well human cytomegalovirus (HCMV) infection.

### 组织特异性

Expressed in epithelial cells of the kidney, intestine, and respiratory tract; granulocytes, monocytes, fibroblasts, endothelial cells, cerebral pericytes at the blood-brain barrier, synaptic membranes of cells in the CNS. Also expressed in endometrial stromal cells, but not in the endometrial glandular cells. Found in the vasculature of tissues that undergo angiogenesis and in malignant gliomas and lymph node metastases from multiple tumor types but not in blood vessels of normal tissues. A soluble form has been found in plasma. It is found to be elevated in plasma and effusions of cancer patients.

### 序列相似性

Belongs to the peptidase M1 family.

### 结构域

Amino acids 260-353 are essential to mediate susceptibility to infection with HCoV-229E (in porcine/human chimeric studies) and more specifically amino acids 288-295 (mutagenesis studies).

### 翻译后修饰

Sulfated.

N- and O-glycosylated.

May undergo proteolysis and give rise to a soluble form.

### 细胞定位

Cell membrane. Cytoplasm > cytosol. A soluble form has also been detected.

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