

### ADAM17 peptide ab7881

#### 描述

|       |            |
|-------|------------|
| 产品名称  | ADAM17多肽   |
| 纯度    | 96 % HPLC. |
| 无动物成分 | No         |
| 性质    | Synthetic  |

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab7881** in the following tested applications.

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

|    |          |
|----|----------|
| 应用 | Blocking |
| 形式 | Liquid   |

#### 制备和贮存

|        |  |
|--------|--|
| 稳定性和存储 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.<br>pH: 7.20<br>Preservative: 0.02% Sodium azide<br>Constituent: 0.1% BSA |
|--------|--|

#### 常规信息

|       |  |
|-------|--|
| 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.   |

|              |   |
|--------------|---|
| <b>结构域</b>   | <p>Contains 1 peptidase M12B domain.</p> <p>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.</p> |
| <b>翻译后修饰</b> | <p>The precursor is cleaved by a furin endopeptidase.</p> <p>Phosphorylated. Stimulation by growth factor or phorbol 12-myristate 13-acetate induces phosphorylation of Ser-819 but decreases phosphorylation of Ser-791.</p>   |
| <b>细胞定位</b>  | <p>Membrane.</p>  |

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

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