

## Product datasheet

# Anti-Collagen V antibody [1.BB.755] ab62426

### 概述

产品名称	Anti-Collagen V抗体[1.BB.755]
描述	小鼠单克隆抗体[1.BB.755] to Collagen V
宿主	Mouse
特异性	This antibody recognizes native human as well as heat denatured human collagen type V in RIA, ELISA and immunoblot assays. It does not react with other collagen types I, II, III and IV. Human plasma proteins do not interfere with binding to collagen.
经测试应用	适用于: ELISA, RIA, IHC-Fr 不适用于: IHC-P
种属反应性	与反应: Human
免疫原	Full length Collagen Type V (Human)

### 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	Preservative: None Constituents: Ascites
纯化说明	Purified by PEG6000 precipitation and Sepharose 6B gel filtration.
克隆	单克隆
克隆编号	1.BB.755
同种型	IgM

### 应用

Our [Abpromise guarantee](#) covers the use of **ab62426** 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
ELISA		

应用	Ab评论	说明
RIA		
Immunohistochemistry acetone fixed		
IHC-Fr		
<b>应用说明</b>	<p>ELISA: 1/1000. This antibody can also be used for quantitative sandwich ELISA to determine concentration of collagen type V in human fluids.</p> <p>IHC-Fr: Use at an assay dependent dilution.</p> <p>RIA: Use at an assay dependent dilution.</p> <p>Is unsuitable for IHC-P.</p> <p>For staining of tissue sections it is advised to use acetone or ethanol fixed cryostat sections, results of staining of paraffin embedded tissues, even after treatment with proteolytic enzymes or microwave, are less satisfactory. The antibody has to be diluted 1:20, if FITC- labeled secondary antibodies are used.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>靶标</b>		
<b>功能</b>	<p>Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.</p>	
<b>疾病相关</b>	<p>Ehlers-Danlos syndrome 1</p> <p>Ehlers-Danlos syndrome 2</p>	
<b>序列相似性</b>	<p>Belongs to the fibrillar collagen family.</p> <p>Contains 1 fibrillar collagen NC1 domain.</p> <p>Contains 1 laminin G-like domain.</p>	
<b>结构域</b>	<p>The C-terminal propeptide, also known as COLFI domain, have crucial roles in tissue growth and repair by controlling both the intracellular assembly of procollagen molecules and the extracellular assembly of collagen fibrils. It binds a calcium ion which is essential for its function.</p>	
<b>翻译后修饰</b>	<p>Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.</p> <p>Sulfated on 40% of tyrosines.</p>	
<b>细胞定位</b>	<p>Secreted &gt; extracellular space &gt; extracellular matrix.</p>	

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors