

## Product datasheet

# Anti-PLGF antibody [37203.111] ab10966

### 概述

产品名称	Anti-PLGF抗体[37203.111]
描述	小鼠单克隆抗体[37203.111] to PLGF
宿主	Mouse
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human
免疫原	Recombinant full length protein (Human), expressed in Escherichia coli.
阳性对照	Human umbilical vein endothelial cells.
常规说明	Do not store in frost-free freezer. Endotoxin level is <10 ng/mg antibody as determined by the LAL (Limulus ameocyte lysate) method.

### 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: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	37203.111
同种型	IgG1

### 应用

Our [Abpromise guarantee](#) covers the use of **ab10966** 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
WB		
<b>应用说明</b>	<p>ELISA: For capture ELISAs, this product can be used as the capture antibody. Use at a working concentration of 2 µg/ml (100 µl/well) in combination with a biotinylated PIGF polyclonal detection antibody at 100 ng/ml (100 µl/well).</p> <p>WB: Use at a concentration of 1 - 2 µg/ml. The detection limit for recombinant human placental growth factor is approximately 20 ng/lane and 300 ng/lane under non-reducing and reducing conditions, respectively. Homodimeric recombinant PIGF migrates as an approximately 29 kDa protein.</p> <p>Not 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>	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner.	
<b>组织特异性</b>	While the three isoforms are present in most placental tissues, PIGF-2 is specific to early (8 week) placenta and only PIGF-1 is found in the colon and mammary carcinomas.	
<b>序列相似性</b>	Belongs to the PDGF/VEGF growth factor family.	
<b>结构域</b>	Isoform PIGF-2 contains a basic insert which acts as a cell retention signal.	
<b>翻译后修饰</b>	N-glycosylated.	
<b>细胞定位</b>	Secreted. The three isoforms are secreted but PIGF-2 appears to remain cell attached unless released by heparin.	

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

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