



# Sheep anti Human Platelet Glycoprotein IIb/IIIa polyclonal antibody (CABT-L518)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Specificity</b>        | This antibody is specific for GPIIb/IIIa as demonstrated by immunoelectrophoresis and ELISA.   |
| <b>Target</b>             | Platelet glycoprotein IIb/IIIa   |
| <b>Immunogen</b>          | Purified glycoprotein IIb/IIIa complex (GPIIb/IIIa) prepared from platelets.   |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Sheep  |
| <b>Species Reactivity</b> | Human  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | IEP, ELISA   |
| <b>Format</b>             | Liquid   |
| <b>Concentration</b>      | 10 mg/ml   |
| <b>Size</b>               | 10 mg  |
| <b>Buffer</b>             | 10 mM HEPES, pH 7.4, 150 mM NaCl, 50% (v/v) glycerol.  |
| <b>Preservative</b>       | None   |
| <b>Storage</b>            | Store between -10 and -20°C. Product will become viscous but will not freeze. Avoid storage in frost-free freezers. Keep vial tightly capped. Allow product to warm to room temperature and gently mix before use. |

## BACKGROUND

**Introduction**

Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.

**Keywords**

ITGA2B;integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41);GT;GTA;CD41;GP2B;HPA3;CD41B;GPIIb;BDPLT2

## GENE INFORMATION

**Entrez Gene ID**

[3674](#)

**UniProt ID**

[P08514](#)