



## **CD41 (integrin alpha IIb chain, gpIIb-IIIa, Platelet Membrane gpIIb-IIIa Complex)**

### **Catalog number**

C2394-12K

### **Supplier**

United States Biological

CD41 is the integrin alpha IIb chain, also called gpIIb, which is non-covalently associated with the integrin beta 3 chain, also called gpIIIa (CD61), forming the gpIIbIIIa complex. Antibody reacts specifically with normal platelets and megakaryocytes but studies have shown that it does not react with Glanzmann's thrombasthenic platelets which lack the membrane glycoprotein gpIIbIIIa. Does not inhibit the platelet aggregation and secretion induced by collagen, arachidonic acid and thrombin. Does not inhibit the fibrinogen binding to human platelets induced by ADP, arachidonic acid and PAF.

### **Applications**

Suitable for use in ELISA and Western Blot. Other applications not tested.

### **Recommended Dilution**

Western Blot: 10-20ug/ml (culture supernatants) will allow visualization of NP40-solubilized protein on human normal platelets in under reducing conditions; they will bind against the human platelet membrane glycoproteins IIb/IIIa complex, which have molecular weights of ~130,000 (IIb) and 115,000 (IIIa).

### **ELISA**

The titer of purified ascites was determined by ELISA coated with 100ul of 1x10e8 washed platelets. Optimal dilutions to be determined by the researcher.

### **Storage and Stability**

Lyophilized powder may be stored at -20°C. Reconstitute to nominal volume by adding sterile ddH<sub>2</sub>O, PBS, aliquot and store at -20°C. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

### **Immunogen**

Human platelet suspension. The supernatant fluid from positive clones was screened by ELISA coated with washed platelet.

### **Formulation**

Supplied as a lyophilized powder from a solution in 0.01M PBS, pH 7.2.

### **Purity**

Purified by Protein G affinity chromatography.

### **Specificity**

Recognizes human CD41 (integrin alpha IIb chain, gpIIb-IIIa, Platelet Membrane gpIIb-IIIa Complex).

**Product Type**

Mab

**Source**

human

**Isotype**

IgG1

**Grade**

Affinity Purified

**Applications**

E WB

**Crossreactivity**

Hu

**Storage**

-20°C