

## **Monoclonal antibody anti-human CD61 (integrin beta 3, $\beta$ -integrin, Platelet GPIIIa, VNR $\beta$ -chain 3) Clone CRC54**

### **Description**

Monoclonal antibody anti-human CD61 (integrin beta 3,  $\beta$ -integrin, Platelet GPIIIa, VNR  $\beta$ -chain 3) (IgG1 kappa, clone CRC54)

**Catalog Number** 879

**Amount** 1 ml (0.2 mg)

### **Specificity**

Reacts with platelet glycoprotein gpIIIa/VNR  $\beta$  chain. This glycoprotein is the common  $\beta$  chain ( $\beta 3$  Integrin) of the cytoadhesins, gpIIb/IIIa and VNR. Reacts with platelets and megakaryocytes. The antibody reacts preferentially with the activated/occupied form of platelet GPIIb-IIIa (ligand-induced binding site or LIBS epitope) and dissociated form of GPIIIa. CRC54-epitope is located within the N-terminal region of GPIIIa (first 100 aminoacids). CRC54 does not react with platelets of patients with Glanzmann thrombastenia.

### **Preparation**

Ammonium sulphate precipitation and DEAE-cellulose chromatography with gradient elution

### **Format**

Purified and lyophilized. Contains azide and PBS

### **Applications and recommended dilutions**

Immunoassay, Immunofluorescence, FACS, IHC (frozen)

Antibody can be used for:

- Determination of thrombocytes in blood.
- Identification of megakaryocytes and -blasts in tissue.
- Immunoblotting under reduced and nonreduced conditions.
- Detection of conformational changes of GPIIb-IIIa on activated platelets.

### **Reconstitution**

Use 1 ml sterile pure water

Storage

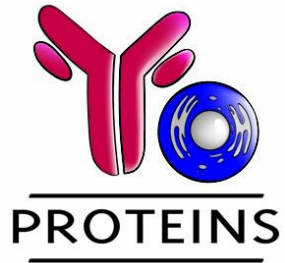
Shipping at ambient temperature. Storage of lyophilized antibodies 2 years at  $-20^{\circ}\text{C}$  or lower

### **Literature**

Khaspekova, et al., 1993, Br. J. Haematol. 85, 332-340.

Mazurov, A., et al., 1995, Thromb. Haemost. 73, 1194 (abstract).

**RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, DRUG OR  
HOUSEHOLD USE**



YO Proteins AB Karolinska Institutet Science Park  
Alfred Nobels allé 10, 141 52 Huddinge, Sweden

[www.yoproteins.com](http://www.yoproteins.com)

**Monoclonal antibody anti-human  
CD61 (integrin beta 3,  $\beta$ -integrin,  
Platelet GPIIIa, VNR  $\beta$ -chain 3)  
Clone CRC54**

**Related Products**

[755 Polyclonal goat anti-mouse IgG, IgA, IgM, biotin](#)

[466 Polyclonal goat anti-mouse IgG, IgA, IgM, FITC](#)

[757 Polyclonal goat anti-mouse IgG, IgA, IgM, HRP](#)

[632 Polyclonal rabbit anti-mouse IgG, IgA, IgM, FITC](#)

[713 Polyclonal rabbit anti-mouse IgG, IgA, IgM, HRP](#)