



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

Catalog number

C2394-12J

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 Dilutions

Western Blot: 10-20ug/ml will allow visualization of NP 40 solubilized protein on human normal platelets. Under reducing conditions they will bind against the human platelet membrane glycoproteins IIb/IIIa complex, which have a molecular weights of ~130,000 (IIb) and 115,000 (IIIa). Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute with sterile ddH₂O. Aliquot to avoid repeated freezing and thawing. 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

Formulation

Supplied as a lyophilized powder from PBS, pH 7.2. Reconstitute with 500ul sterile ddH₂O.

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,k

Grade

Affinity Purified

Applications

E WB

Crossreactivity

Hu

Storage

-20°C