

Human Cluster Of Differentiation 42b (CD42b) ELISA Kit

Catalog Number: PAK-HMM-0013

• Description

Platelet glycoprotein Ib alpha chain, also known as glycoprotein Ib (platelet), alpha polypeptide or CD42b (cluster of differentiation 42b), is a protein encoded by the GP1BA gene. It is a platelet surface membrane glycoprotein consisting of a heterodimer of disulfide-linked alpha and beta chains.

• Basic Information

Test Species: Human

Synonyms: GP1Ba; CD42-B; CD42b-Alpha; GP1-BA; BSS; GP1B; GPIBA; Glycocalicin; Glycoprotein Ib Alpha Polypeptide, Platelet

Sample Type: Plasma

Detection Methods: Sandwich ELISA

Sensitivity: 0.32 ng/mL

Detection Range: 0.78-50 ng/mL

Accuracy: The intraplate coefficient of variation is less than 10% and the interplate coefficient of variation is less than 10%.

• Detection Principle

This kit is an enzyme-linked immunosorbent assay (ELISA) using a double-antibody sandwich method. To the microtiter wells pre-coated with human platelet glycoprotein Ib α chain (GP1BA; CD42 β) capture antibody, the sample, standard, biotin-labeled detection antibody, HRP enzyme conjugate are added sequentially, and then warmed and washed, and then the color is developed with the substrate TMB, which is converted to blue by peroxidase (HRP) and converted to the final yellow color under the action of acid. The color shade is positively correlated with the human platelet glycoprotein Ib α chain (GP1BA; CD42 β) in the sample. The absorbance (OD value) is measured at 450 nm with an enzyme marker to calculate the sample concentration.

• Applications

The kit detects human GP1BA; CD42 β in samples without significant cross-reactivity with its analogs.

• Specification

48T, 96T, 5 \times 96T



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• Storage & Transportation

2-8°C

Shelf Life: 6 months



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