

Product datasheet for **SM1105PS**

CD42b / GPIbA Mouse Monoclonal Antibody [Clone ID: AK2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AK2
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/50-1/100 diluted CD42b antibody to label 100 µl whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises the Human CD42b cell surface antigen, also known as platelet glycoprotein GP1B. CD42b is expressed by platelets and megakaryocytes. Clone AK2 has been reported to block the binding of von Willebrand Factor (VWF) to platelets. We recommend the use of SM1105A for this purpose.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycoprotein Ib platelet alpha subunit
Database Link:	Entrez Gene 2811 Human P07359
Background:	CD42b is a platelet activation marker involved in the process of coagulation as an aggregating factor. It interacts with extracellular matrix as well as with adhesion molecules. Its expression and activation seems to be regulated by VEGF and PDGF.
Synonyms:	Platelet glycoprotein Ib alpha chain, Glycoprotein Ibalpha, GP-Ib alpha, GPIb-alpha



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