

## Product datasheet for **AM05210FC-N**

### CD42a (GP9) Mouse Monoclonal Antibody [Clone ID: ESS]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ESS
Applications:	FC
Recommended Dilution:	Flow Cytometry. Identification of platelets. Identification of megakaryocytes. Diagnosis of Bernard-Soulier syndrome (CD42a-). Megakaryoblastic/cytic leukemia's (CD42a+). <b>See Protocols for more details.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises human Platelet GPIX.
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: FITC State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. <b>Do Not Freeze!</b>
Stability:	Shelf life: One year from despatch.
Gene Name:	glycoprotein IX platelet
Database Link:	<a href="#">Entrez Gene 2815 Human P14770</a>



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<b>Background:</b>	Single-chain membrane glycoprotein that forms a non-covalent complex with GPIb. (MW 23kDa) Reactivity with resting and activated platelets, weakly on monocytes, megakaryocytes and attachment site for the platelet plasma membrane to the submembrane cytoskeleton. GPIb/IX complex, functions as the receptor for ristocetin-induced binding of von Willebrand factor and as the von Willebrand factor-depend adhesion receptor.
<b>Synonyms:</b>	Platelet glycoprotein IX, GP-IX, GP9
<b>Note:</b>	<p>Protocol: <b>Use</b></p> <p>Consult the appropriate Negative Control factsheet to determine the amount of antibody to be used as a control for Platelets.</p> <p>Collect blood aseptically by venipuncture into an ACD or EDTA blood collection tube.</p> <p><u>Important: Within 5 minutes of blood collection, fix blood sample by placing 100 µl of blood in test tube containing 1 ml of cold (4°C) 1X PBS with 1% paraformaldehyde.</u></p> <p>Mix by vortexing.</p> <p>Centrifuge the fixed blood at 1200 x g for 5 minutes at room temperature (RT) 20°C. Aspirate the supernatant, leave pellet.</p> <p>Prior to staining, wash the fixed blood pellet 2X with 1 ml 1X PBS + 0.1% Azide at RT. Centrifuge the fixed blood at 1200 x g for 5 minutes at room temperature (RT) 20°C. Aspirate the supernatant, leave pellet.</p> <p>Resuspend the pellet in 1 ml of 1X PBS at RT.</p> <p>To a clean labeled test tube add 10 µl of MAb.</p> <p>Carefully add 50 ul of the fixed blood suspension to the bottom of the test tube. Vortex and incubate at room temperature for at least 15 minutes and analyzed within 3 hours.</p> <p>Please note: Using this procedure will yield twenty samples for platelet analysis. Select logarithmic (Log) amplification for both Forward (FSC) and Side (SSC) scatters, while collecting data for platelets.</p> <p>See instrument manufacturer's instructions for Immunofluorescence analysis with a flow cytometer or microscope.</p>