**Clone**  
1G5

**Isotype**  
IgG2a, Kappa.

**Immunogen**  
Recombinant human Glycoprotein VI (GpVI) ligand-binding ectodomain (residues 21-234).

**Specificity**  
This antibody recognizes the human Glycoprotein VI (GpVI)\(^1\). GpVI is a 62 kDa type 1 transmembrane receptor belonging to the immunoglobulin superfamily, and noncovalently associated with the signal-transducing FcRγ chain. GpVI is a major collagen receptor that plays a crucial role in the collagen-induced activation and aggregation of platelets. As well as collagen, other ligands such as collagen-related peptide (CRP) and snake venom protein (convulxin) can bind to the extracellular region of GpVI causing ectodomain shedding\(^2\). This process is tightly regulated by a metalloproteinase, most likely ADAM10, providing a mechanism for the modulation of platelet responsiveness. Most GpVI is maintained in a monomeric form on resting platelets. GpVI dimerization is a cAMP-controlled active process that primes platelet interaction with fibrillar collagen\(^3\).

**Application**  
Flow Cytometry.

**Form**  
R-Phycoerythrin conjugated purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 2 mL.

**Size**  
100 tests, ready for use.

**Suggested amount**  
20 µL/test per 10\(^6\) platelets in 100 µL sample.

**Preservative**  
Sodium azide < 0.1%.

**Storage**  
The conjugated antibody should be stored in the dark at +2-8°C until expiration date. Do not freeze.

**References**  

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