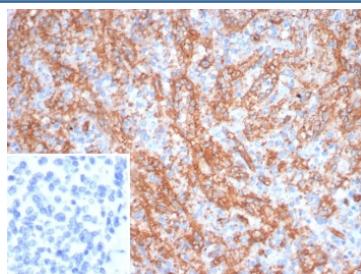


Platelet glycoprotein 4 Antibody / CD36 [clone CD36/7216] (V5825)

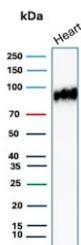
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V5825-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5825-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5825SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG |
| Clone Name | CD36/7216 |
| Purity | Protein A/G affinity |
| UniProt | P16671 |
| Localization | Cell membrane, Cytoplasm (Golgi) |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml |
| Limitations | This Platelet glycoprotein 4 antibody is available for research use only. |



IHC staining of FFPE human spleen tissue with Platelet glycoprotein 4 antibody (clone CD36/7216). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human heart tissue lysate with Platelet glycoprotein 4 antibody (clone CD36/7216). Expected molecular weight: 53-88 kDa depending on level of glycosylation.

Description

Recognizes a protein of 80kDa-90kDa, identified as CD36. It is expressed on platelets, monocytes and macrophages, microvascular endothelial cells, erythrocyte precursors, mammary epithelial cells, and some macrophage derived dendritic cells. CD36 acts as a receptor for thrombospondin (TSP), collagen types I, IV and V, *P. falciparum* malaria-infected erythrocytes, and sickle erythrocytes. It also functions as a scavenger receptor, mediating macrophage uptake of oxidized low-density lipoprotein (LDL) and recognition of apoptotic polymorphonuclear leukocytes (PMN). CD36 plays a role in platelet aggregation, macrophage foam cell development, inflammation, and the tissue ischemia observed in sickle cell disease and cerebral malaria. Note that 1-4% of Japanese and East Asia population lack CD36.

Application Notes

Optimal dilution of the Platelet glycoprotein 4 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 200-400 from human Platelet glycoprotein 4 protein was used as the immunogen for the Platelet glycoprotein 4 antibody.

Storage

Aliquot the Platelet glycoprotein 4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.