

## Anti-CD36 [185-1G2 (B467)] Standard Size Ab01539-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** 185-1G2 (B467)

**Alternative Name(s) of Target:** SRB1; Scavenger receptor class B member 1; CD36 and LIMPII analogous 1; CLA-1; CD36 antigen-like 1; Collagen type I receptor, thrombospondin receptor-like 1; SR-BI

**UniProt Accession Number of Target Protein:** Q8WTV0

**Published Application(s):** Blocking, IP, FC, IF, IHC

**Published Species Reactivity:** Human

**Immunogen:** This antibody was raised by immunizing mice with stimulated human leukocytes.

**Specificity:** This antibody is specific against CD36. The antibody recognises an epitope between amino acids 155 - 183. CD36 is a receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. It acts as a receptor for hepatitis C virus in hepatocytes and appears to facilitate its cell entry as well as mediates uptake of *M. fortuitum*, *E. coli* and *S. aureus*.

**Application Notes:** This antibody is recommended for the detection and analysis of CD36 via various methods. For instance, it was used to stain ovarian cancer tissue samples via immunohistochemistry, demonstrating that CD36 was expressed in the cytoplasm of cancer cells while stromal cells were negative (Têtu et al., 2008). Furthermore, 185-1G2 antibody was shown to precipitate CD36 from a platelet lysate sample (Miao et al., 2001). Finally, this antibody has also blocking properties against CD36 and has been widely used to inhibit this receptor (Short et al., 2005).

**Antibody First Published in:** Miao et al. CD36 associates with CD9 and integrins on human blood platelets. *Blood*. 2001 Mar 15;97(6):1689-96. [PMID:11238109](#)

**Note on publication:** The article describes the use of the 185-1G2 antibody in immunoprecipitations.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.