

A Reliable Research Partner in Life Science and Medicine

# PE Anti-Human CD36 Antibody[5-271]

Catalog Number: E-AB-F1164D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG2a, κ

**Clone No.** 5-271

**Isotype Control** PE Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802D]

Conjugation PE

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

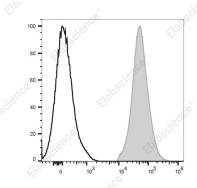
### Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



Human platelets are stained with PE Anti-Human CD36 Antibody[5-271] (filled gray histogram) or PE Mouse IgG2a, κ Isotype Control (empty black histogram).

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names GP3B;GP4;GPIIIB;GPIV;PAS-4

 Uniprot ID
 P16671

 Gene ID
 948

## For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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**Elabscience Bionovation Inc.** 

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# **Background**

Elabscience®

CD36 is an 85 kD integral membrane glycoprotein, also known as GPIIIb, or GPIV. It is expressed on various epithelial and endothelial cells as well as erythrocytes, platelets, macrophages/monocytes and some macrophage-derived dendritic cells. CD36 functions as a scavenger receptor, binding thrombospondin, long chain fatty acids, oxidized LDL, collagen type I, IV, and V as well as apoptotic cells. The 5-271 antibody has been reported to be useful for flow cytometry.

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