

Elab Fluor® 647 Anti-Mouse CD36 Antibody[HM36]

Catalog No.	E-AB-F1291UM	Reactivity	Mouse
Storage	Store at 2~8°C, Avoid freeze / thaw cycles	Applications	FCM

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

Antigen Information

Alternate Names	FAT, gpIIIb, gpIV
Uniprot ID	Q08857
Gene ID	12491
Background	CD36 is a 85 kD glycoprotein, also known as FAT, gpIIIb, or gpIV. It is a member of the class B scavenger receptor family, expressed on platelets, monocytes, macrophages, megakaryocytes, microvasculature, dendritic cells and mammary endothelial cells. The primary ligands for CD36 have been reported to be oxidized low density lipoprotein, anionic phospholipids, and collagens I, IV, and V. CD36 acts as a scavenger receptor thus promoting the removal of apoptotic neutrophils and other apoptotic bodies, as well as clearance of defective erythrocytes.

Product Details

Form	Liquid
Concentration	0.5 mg/ml
Size	25µg/100µg
Clone No.	HM36
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Reactivity	Mouse
Application	FCM
Isotype Control	Elab Fluor® 647 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853M]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 °C
Stability & Storage	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. This product is guaranteed up to one year from purchase.

For Research Use Only

Fluorophore

Conjugation: Elab Fluor® 647

Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10⁶ cells in 100 µL volume].

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>