

Anti-Human GARP FITC

Catalog Number :77111-50

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: GARP5

Format/Conjugate: FITC

Concentration: 5 uL (0.5 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Isotype: Mouse IgG1

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The GARP5 monoclonal antibody specifically reacts with human Glycoprotein A Repetitions Predominant (GARP, also known as LRRC32 or Garpin) molecule, a 80 kDa transmembrane glycoprotein expressed on the cell surface. GARP is expressed in activated Treg cells, placenta, pancreas, liver, skeletal muscle, heart, lung, and kidney, and it acts as a receptor for latent TGF-β, which down-regulates the Treg cells action.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1.Wang, R., Zhu, J., Dong, X., Shi, M., Lu, C., Springer, T. A. (2012). GARP regulates the bioavailability and activation of TGFβ.;Molecular biology of the cell,23(6), 1129-1139.