

## Anti-Human GARP APC

Catalog Number :77111-80

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

### Product Information

**Clone:** GARP5

**Format/Conjugate:** APC

**Concentration:** 5 uL (0.5 ug)/test

**Reactivity:** Human

**Laser:** Red (635 -655nm)

**Peak Emission:** 660nm

**Peak Excitation:** 650nm

**Filter:** 660/20

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

**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.