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Anti-GPR174 Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17476

Product Information

Application	IHC-P
Primary Accession	Q9BXC1
Predicted	Human, Rabbit, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38503
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	84636
Alias Symbol	GPR174
Other Names	GPR174, FKSG79, Jeg18, Purinergic receptor fksg79, G protein-coupled receptor 174
Target/Specificity	Human GPR174. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except RGAG1 (50%).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-GPR174 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPR174
Function	G protein-coupled receptor of lysophosphatidylserine (LysoPS) that plays different roles in immune response (PubMed:36823105). Plays a negative role in regulatory T-cell accumulation and homeostasis. Under inflammatory conditions where LysoPS production increases, contributes to the down-regulation of regulatory T-cell activity to favor effector response. Mediates the suppression of IL-2 production in activated T-lymphocytes leading to inhibition of growth, proliferation and differentiation of T-cells. Mechanistically, acts via G(s)- containing heterotrimeric G proteins to trigger elevated cyclic AMP levels and protein kinase A/PKA activity, which may in turn act to antagonize proximal TCR signaling. Plays an important role in the initial period of sepsis through the regulation of macrophage polarization and pro- and anti-inflammatory cytokine secretions. Upon testosterone treatment, acts as a receptor for CCL21 and subsequently triggers through G(q)-alpha

and G(12)/G(13) proteins a calcium flux leading to chemotactic effects on activated B-cells. Signals via GNA13 and PKA to promote CD86 up-regulation by follicular B-cells.

Cellular Location Cell membrane; Multi-pass membrane protein.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.