

Anti-GPR174 Antibody (aa118-167)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18345

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BXC1
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	38503

Additional Information

Gene ID	84636
Alias Symbol	GPR174
Other Names	GPR174, FKSG79, Jeg18, Purinergic receptor fkg79, G protein-coupled receptor 174
Target/Specificity	GPR174 antibody detects endogenous levels of GPR174.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-GPR174 Antibody (aa118-167) 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'.