

Anti-IL1RAP hIgG1 Antibody (Nadunolimab)

Product information

GM-88204AB-10	10 µg
GM-88204AB-100	100 µg
GM-88204AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	Nadunolimab
Source/Isotype	Human IgG1 Kappa
Application	Flow Cytometry
Target	Detects IL1RAP
Gene	IL1RAP
Other Names	C3orf13, IL-1RAcP, IL1R3
Gene ID	3556 (Human)
Background	<p>IL1RAP (Interleukin 1 Receptor Accessory Protein), also known as IL-1R Accessory Protein, belongs to the IL-1 receptor accessory protein family and serves as an important auxiliary protein for IL-1 receptor signaling. IL1RAP forms a receptor complex with IL-1RI (IL-1R1) and other IL-1 family receptors, participating in the signal transduction of ligands such as IL-1β, triggering downstream pathways such as NF-κB and MAPK to regulate inflammatory responses, immune cell activation, and the secretion of inflammatory cytokines. Expression and function of IL1RAP vary by cell type and are tissue-specific; signaling strength can be modulated by alternative splicing variants or post-translational modifications. IL1RAP plays a key role in a variety of inflammatory diseases, including rheumatoid arthritis, inflammatory bowel disease, psoriasis, and sepsis, by regulating the IL-1 signaling axis to amplify inflammation. Changes in gene expression levels, mutations, or the assembly of receptor complexes in monocytes/macrophages and other immune cells may influence disease susceptibility and progression.</p>
Storage	Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

H_IL-1 β Reporter 293 Cell Line (Catalog # GM-C26463) was stained with Anti-IL1RAP hIgG1 Antibody (Nadunolimab) (Catalog # GM-88204AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

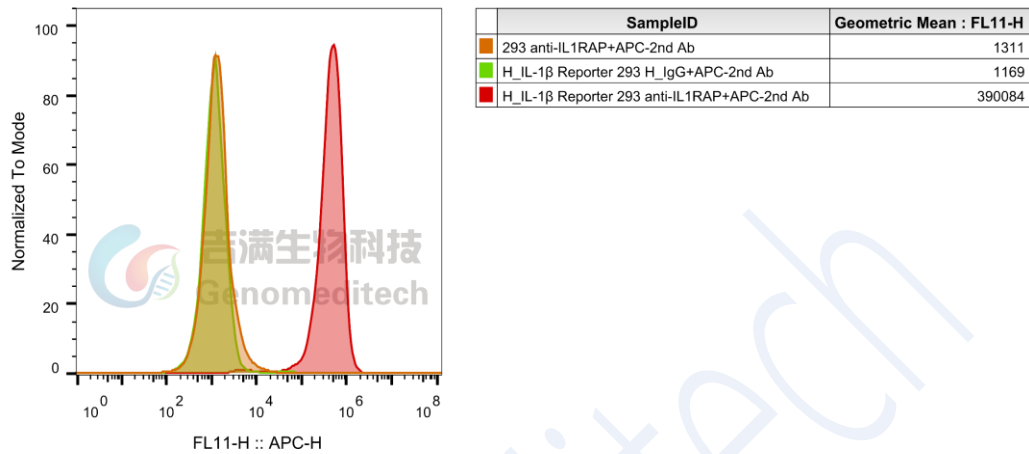


Fig. FACS