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Anti-IL-18Rα Reference Antibody (Roche patent anti-IL-18Rα)

Catalog # APR11304

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q13478
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	62304

Additional Information

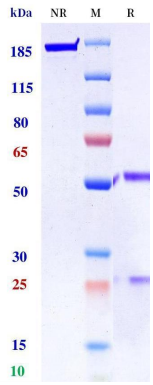
Target/Specificity	IL-18Ra
Expression system	CHO

Protein Information

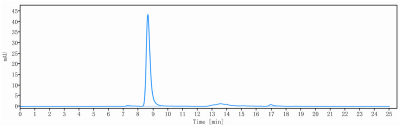
Name	IL18R1 (HGNC:5988)
Synonyms	IL1RRP
Function	Within the IL18 receptor complex, responsible for the binding of the pro-inflammatory cytokine IL18, but not IL1A nor IL1B (PubMed:14528293, PubMed:25261253, PubMed:25500532, PubMed:37993714, PubMed:8626725). Involved in IL18-mediated IFNG synthesis from T-helper 1 (Th1) cells (PubMed:10653850). Contributes to IL18-induced cytokine production, either independently of SLC12A3, or as a complex with SLC12A3 (By similarity).
Cellular Location	Membrane; Single- pass type I membrane protein
Tissue Location	Highly expressed in leukocytes, spleen, lung. Also expressed, but at lower levels, in liver, small intestine, colon, prostate, thymus, placenta, and heart. Specifically coexpressed with IL18R1 in Th1 cells (PubMed:10653850, PubMed:10925275, PubMed:11046021).

Images

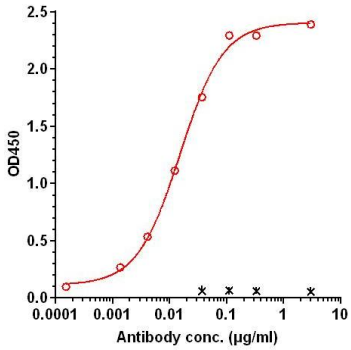
Anti-IL-18Ra Reference Antibody (Roche patent anti-IL-18Rα) on SDS-PAGE under reducing (R) condition.



The purity of the protein is greater than 95%.



The purity of Anti-IL-18Rα Reference Antibody (Roche patent anti-IL-18Rα) is 97.36%, determined by SEC-HPLC.



Immobilized Hu IL-18Rα-ECD-CHis at 2 μg/mL can bind Roche patent anti-IL-18Rα, EC50= 0.01531 μg/mL.

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