

Anti-NPR1 hlgG1 Reference Antibody (XX-16)

Product Information

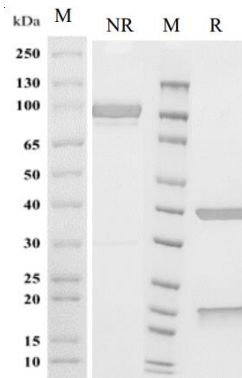
Product Name	Anti-NPR1 hlgG1 Reference Antibody (XX-16)
Storage temp.	Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Catalog# / Size	GM-87989MAB-1mg / 1 mg GM-87989MAB-5mg / 5 mg GM-87989MAB-25mg / 5 mg * 5 vials GM-87989MAB-50mg / 50 mg GM-87989MAB-100mg / 50 mg * 2 vials

Antibody Information

Expression System	CHO
Aggregation	< 5% as determined by SEC-HPLC
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay
Sterility	0.2 μm Filtered
Target	NPR1
Clone	XX-16
Alternative Names	ANPRA, ANPa, GUC2A, GUCY2A, NPRA
Source/Isotype	Monoclonal Human IgG1(REEM), Kappa
Application	Flow Cytometry
Description	NPR1 (Non-expressor of Pathogenesis-Related Genes 1) is a key gene in the plant defense mechanism, primarily responsible for regulating Systemic Acquired Resistance (SAR), a global defense strategy activated in response to pathogen infection. In this process, NPR1 serves as a central regulatory factor, sensing and transmitting defense signals to activate downstream defense genes. Additionally, NPR1 plays a broad role in enabling plants to respond to various environmental stresses, contributing significantly to plant survival and adaptability.
Formulation	phosphate-buffered solution, pH 7.2-7.4.

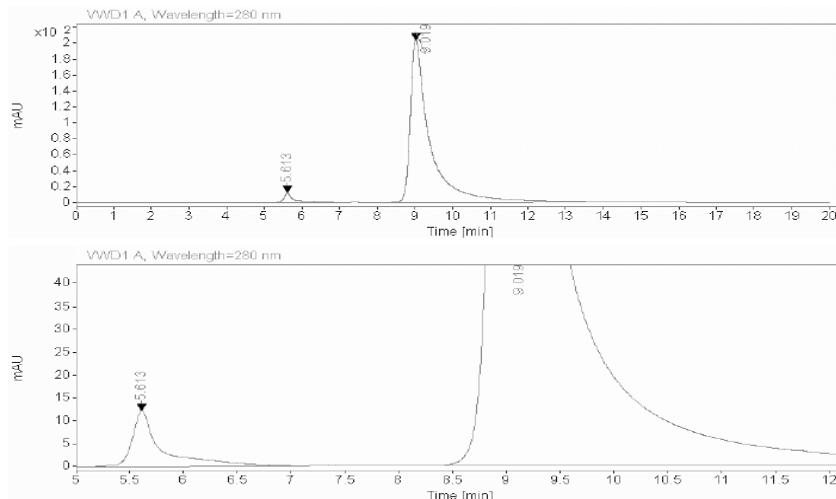
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC

Flow Cytometry

H_NPR1 CHO-K1 Cell Line (Catalog # GM-C37366) was stained with Anti-NPR1 hIgG1 Reference Antibody (XX-16) (Catalog # GM-87989MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

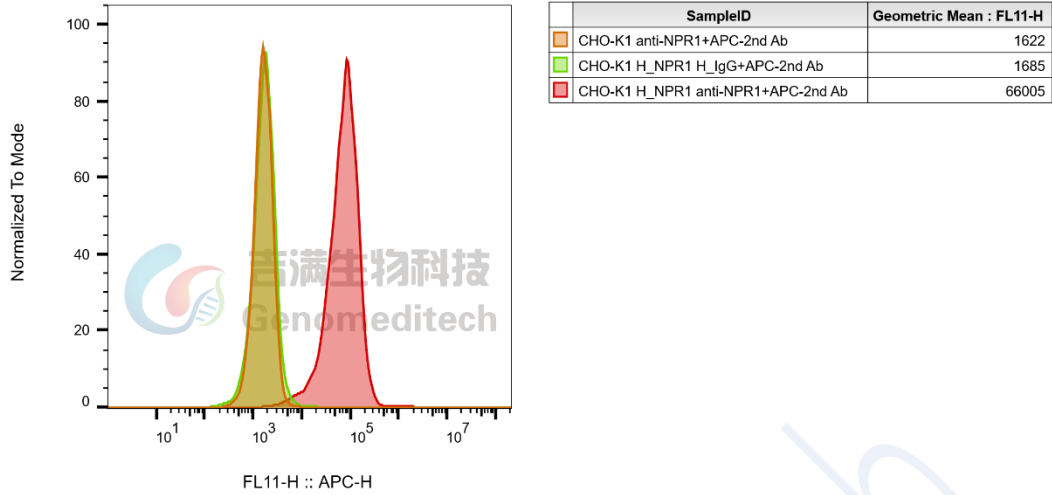


Fig. FACS

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