

# Anti-NPR1 hlgG4 Reference Antibody (REGN-5381)

## Product Information

<b>Product Name</b>	Anti-NPR1 hlgG4 Reference Antibody (REGN-5381)
<b>Storage temp.</b>	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
<b>Catalog# / Size</b>	<b>GM-87990MAB-1mg / 1 mg</b> <b>GM-87990MAB-5mg / 5 mg</b> <b>GM-87990MAB-25mg / 5 mg * 5 vials</b> <b>GM-87990MAB-50mg / 50 mg</b> <b>GM-87990MAB-100mg / 50 mg * 2 vials</b>

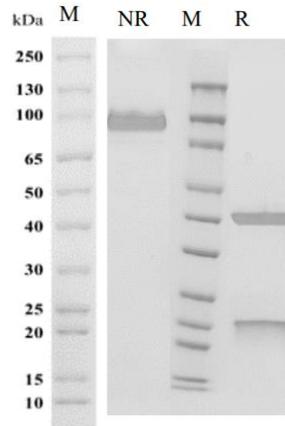
## Antibody Information

<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/mg, determined by LAL gel clotting assay
<b>Sterility</b>	0.2 μm Filtered
<b>Target</b>	NPR1
<b>Clone</b>	REGN-5381
<b>Alternative Names</b>	ANPRA, ANPa, GUC2A, GUCY2A, NPRA
<b>Source/Isotype</b>	Monoclonal Human IgG4 (S228P), Kappa
<b>Application</b>	/
<b>Description</b>	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.
<b>Formulation</b>	phosphate-buffered solution, pH 7.2-7.4.

Version:3.1

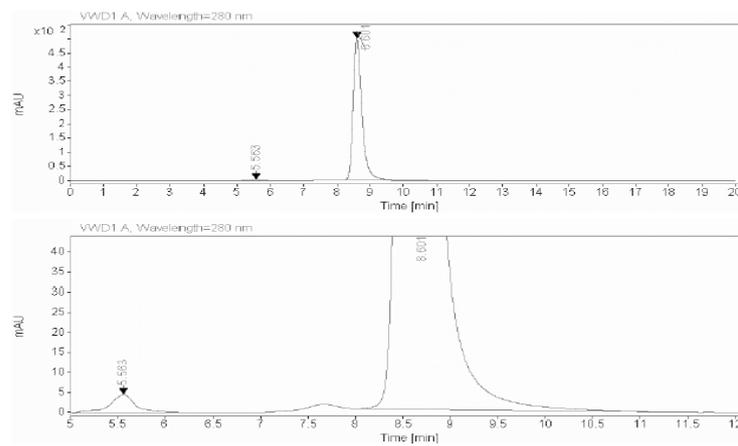
## Data Examples

### 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