

Anti-OSMR hlgG4 Reference Antibody (Vixabio)

Product Information

Product Name Anti-OSMR hlgG4 Reference Antibody (Vixabio)
Storage temp. Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.

Catalog# / Size
GM-88055MAB-1mg / 1 mg
GM-88055MAB-5mg / 5 mg
GM-88055MAB-25mg / 5 mg*5 vials
GM-88055MAB-50mg / 50 mg
GM-88055MAB-100mg / 50 mg*2 vials

Antibody Information

Expression System CHO
Aggregation < 5% as determined by SEC-HPLC
Purity > 95% as determined by SDS-PAGE
Species Reactivity Human
Clone Vixarelimab
Source/Isotype hlgG4 (S228P), Lamda2
Application Flow Cytometry
Specificity Detects OSMR
Gene OSMR
Other Names IL-31R-beta, IL-31RBB, OSMRbeta, PLCA1, OSMR
Gene ID 9180 (human)
Background OSMR (Oncostatin M Receptor) , also known as LGR1 or GP130 family members, is one of the key receptors in the IL-6 family cytokine signal transduction pathway, which often participates in signal transduction with other IL-6 family receptors. OSMR often co-constitutes with IL-31ra a binary receptor complex of IL-31RA/OSMR, mediating multiple inflammatory and neuro-immune coupling-related signaling pathways. Vixarelimab is an anti-OSMR monoclonal antibody designed to block signaling between OSM and its receptors, thereby suppressing related inflammatory and itch signals. Interference with the activation of the IL-31RA/OSMR pathway and related inflammatory signals by specifically binding OSMR. Downstream may affect Jak/STAT, MAPK and other signaling pathways, reduce the release of inflammatory mediators, alleviate itching and inflammatory response.
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.

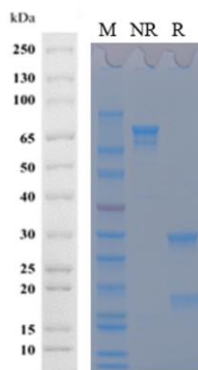
Version:3.1

Endotoxin

< 1 EU/mg, determined by LAL gel clotting assay

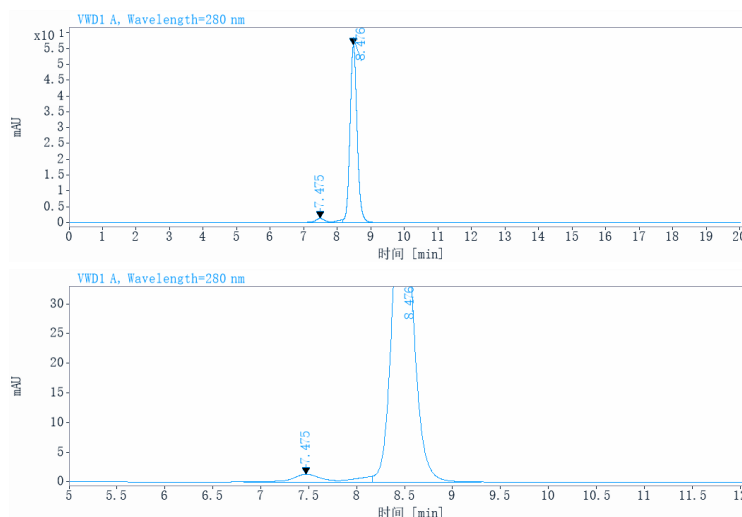
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. 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_OSMR Reporter 293 Cell Line (Catalog # GM-C41954) was stained with Anti-OSMR hIgG4 Reference Antibody (Vixabio) (Catalog # GM-88055AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

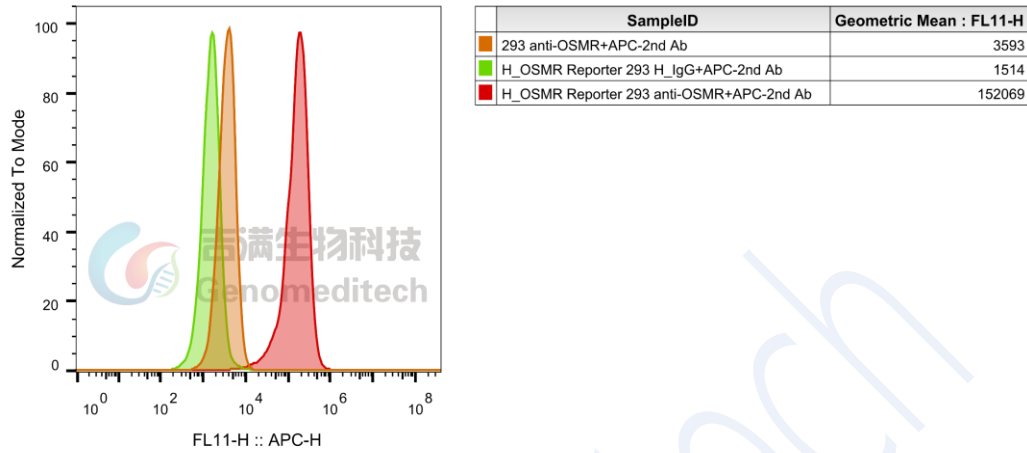


Fig. FACS