mAb Standard, Mass Spec Grade

Cat. No. mAb Standard-57 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	Secukinumab monoclonal antibody is an interleukin-17A (IL-17A) inhibitor, which can be used for intact protein quality control (QC) and charge variants (CV). Also, it assists with the mAb subunit and N-glycan LC-MS analysis, purification, and system suitability verification of experimental methods.
Form	Mass spectrometry modified trypsin is supplied by lyophilized powder.
Molecular Mass	147940.0 Da
AASequence	Secukinumab Heavy Chain (CAS 875356-43-7): EVQLVESGGGLVQPGGSLRLSCA ASGFTFSNYWMNWVRQAPGKGLEWVAAINQDGSEKYYVGSVKGRFTISRDNAKNS LYLQMNSLRVEDTAVYYCVRDYYDILTDYYIHYWYFDLWGRGTLVTVSSASTKGPSV FPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLY SLSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGG PSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPRE EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYT LPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFL YSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK Secukinumab Light C hain (CAS 875356-44-8): EIVLTQSPGTLSLSPGERATLSCRASQSVSSSYLAWYQQ KPGQAPRLLIYGASSRATGIPDRFSGSGSGTDFTLTISRLEPEDFAVYYCQQYGSSP CTFGQGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDN ALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKS FNRGEC

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Purity	99.5 % peak area measured by HPLC at 280 nm.
Storage	Store the lyophilized powder at -20 centigrade.
Shelf life	24 months at -20 centigrade.
Usage Notes	CV and Subunit by HPLC: The mAb antibody samples were digested with IdeS or IdeZ. Then, the consistency was analyzed by HPLC with SCX 2.1*50 mm column at 30 centigrade, followed by elution with mAb PH ion mobility buffer. N-Glycans by HPLC: 15 μg sample was reduced at 95 centigrade, denatured with TCEP, and digested with rPNGase F glycosidase. N-glycans were derivatized into glycosamines with N-glycan labeling reagents. Samples were analyzed by UPLC fluorescence detection using the HILIC column (FLR: Ex: 265 nm; Em: 425 nm).
Resuspension Buffer	Add a certain amount of pH Buffer to dissolve according to the experimental needs.

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