



Product name SECUKINUMAB-Like  
Labelled standard



Catalog number COH92201

## Product description

Labelled Secukinumab-like is a recombinant, stable isotope labelled monoclonal IgG1-Kappa antibody containing proteotypic peptides derived from Secukinumab's originator sequence. Labelled Secukinumab-like is designed for use as an internal standard for quantitative analysis of Secukinumab in plasma samples. Secukinumab targets IL-17A cytokine and is used to treat duveitis, rheumatoid arthritis, ankylosing spondylitis, and psoriasis

## Proteotypic peptide sequences

### Heavy Chain

GLEWVAAINQDGSEK  
YYVGSVK

## Product features and protocols

### Key features

- 1** Purity >95%  
as determined by SDS-PAGE
- 2** Labelling Arg-<sup>13</sup>C<sub>6</sub>, <sup>15</sup>N<sub>4</sub> | Lys-<sup>13</sup>C<sub>6</sub>, <sup>15</sup>N<sub>2</sub>
- 3** Isotopic incorporation >98%  
as determined by LC-MS/MS  
analysis of digested SIL-mAb

### Other features

Expression System	Mammalian cells
Protein content	Quantitation is carried out by UV Absorbance at 280 nm
Formulation	5 mM Histidine-HCl pH 6.0 60 mM Trehalose 0.01% Polysorbate 20

## Product preparation

For product preparation we recommend the following steps:

- Briefly centrifuge the tube before opening
- Reconstitute by adding the appropriate volume of ultrapure water for a final concentration of 200 µg/ml (e.g. 50 µl for 10 µg or 250 µl for 50 µg)
- Vortex gently to insure complete dissolution
- Wait 15 minutes at room temperature before proceeding further
- Vortex gently again and centrifuge briefly

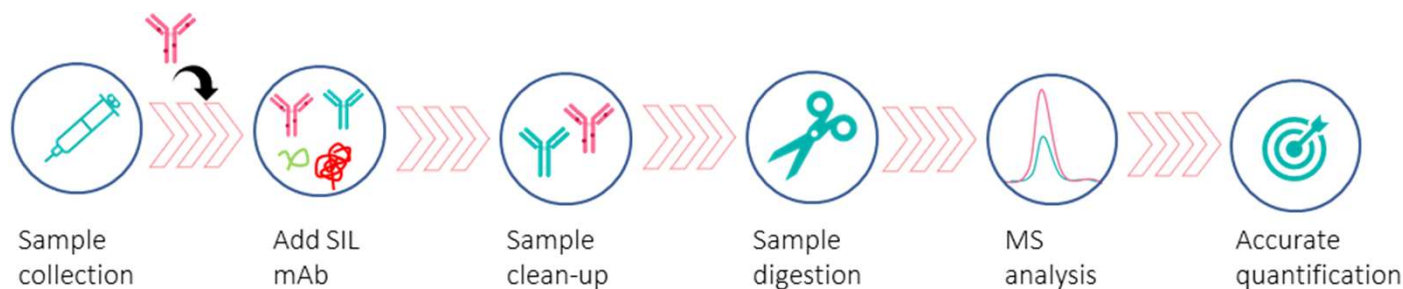
## Product storage

The product is lyophilized and shipped at ambient temperature. Store at -80 °C upon receipt. After reconstitution, the protein can be preserved at 4°C for a few weeks. Avoid multiple freeze-thaw cycles

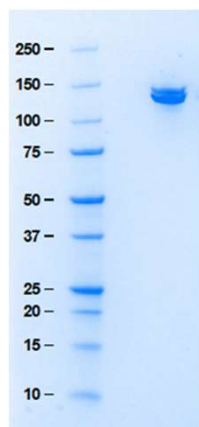
## How to use our product



SIL mAbs are used as an internal standards by addition at the start of a sample preparation workflow. Both Labeled and target therapeutic mAbs will be processed throughout the entire analytical procedure controlling for variability caused by pre-analytical treatments or incomplete enzymatic digestion (1).



## Supporting information



SDS-PAGE gel analysis of SECUKINUMAB-Like protein in non-reducing/ non heated conditions (NR/NH) Stained with Coomassie blue

## References

1. D. Lebert, G.Picard, et al. Absolute and multiplex quantification of antibodies in serum using PSAQ™ standards and LC-MS/MS, Bioanalysis. 2015, 7, 1237-51.



The product is intended for research use only. Not for diagnostic or therapeutic use.

## Legal

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