



**Product name** TOCILIZUMAB-Like  
Labelled standard



**Catalog number** ACH92241

## Product description

Labelled Tocilizumab-like is a recombinant, stable isotope labelled monoclonal IgG1-Kappa antibody containing proteotypic peptides derived from Tocilizumab's originator sequence. Labelled Tocilizumab-like is designed for use as an internal standard for quantitative analysis of Tocilizumab in plasma samples. Tocilizumab targets interleukin 6 (IL-6) receptor.

**Similar products:** Labelled Infliximab, Labelled Adalimumab

## Proteotypic peptide sequences

### Light Chain

ASQDISSYLNWYQQKPGK  
LLIYYTSR  
LHSGVPSR

## 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 pH 6 60 mM trehalose 0.01% Polysorbate 20

### Product preparation

For product preparation we recommend the following steps:

1. Briefly centrifuge the tube before opening
2. 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)
3. Vortex gently to insure complete dissolution
4. Wait 15 minutes at room temperature before proceeding further
5. Vortex gently again and centrifuge briefly

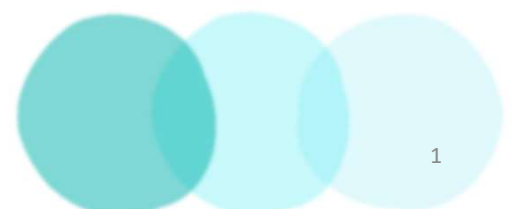
PROMISE Proteomics SAS, BHT 52A 7, parvis Louis Néel – CS20050  
38040 Grenoble Cedex 9 – France

### 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**



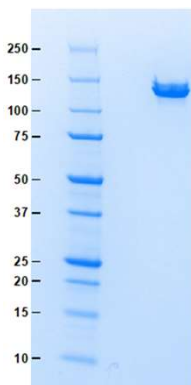
## How to use our product



SIL mAbs are used as an internal standards by addition at the start of a sample preparation workflow. Both Labelled 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 TOCILIZUMAB-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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