



**Product name** MIRIKIZUMAB  
Labelled standard



**Catalog number** OMZ13191-liquid

## Product description

Mirikizumab (Omvo), is a monoclonal antibody used for the treatment of ulcerative colitis. It is designed to attach to interleukin-23 (IL-23) and block its activity.

**Similar products:** Vedolizumab, Infliximab, Adalimumab, golimumab

## mAb sequence

### Heavy chain

AAGCTTGGCGGCCACCATGGGATGGTCTGCATCATCTGTTTCTGGTGGCTACCGTACCAGGCGTGCACCTCTCAGTTTCAGTTGGTTGCTAGTCTGGCGCCGAAGTGAAGAAACCCGGCTCTGTGAAGGTGTCTGCAAGGCTT  
CCGGCTACAAGTTCACACAGATACGTGATGCACTGGGTCGGACAGGCCCTGGACAAGGATTGGAGTGGATGGGCTACATCAACCCCTACAAGCAGCGCCACCACTACAACGAGAAGTTCAAGGGCAGAGTGACCATCCGCCGA  
CAAGTCTACTCCACCGCTACATGGAAGTGTCCAGCTGAGATCTGAGGACACCCCGTGTACTACTGCCAGAAATGGGATACCGGCTGTGGGGCCAGGGCACAACAGTGACAGTCTTCCGCCTCCACCAAGGACCT  
CTGTGTTTCTCTGGGCTCTTGGTCCAGATCCACTCCGAGTCTACAGTGTCTGGGCTGCTGGTCAAGGACTCTTCTGAGCCTGTGACCGTGTCTGGAACTCTGGCGCTGTGACATCTGGCGTGCACACCTTCCAGCTGTG  
CTGCAGTCTCCGGCTGTACTCTGTCTCTGTGTGACCGTGTCTCTAGCCTGGCCACCAAGACCTACACTGTAATGGGACCAAGCCTTCAACACCAAGGTGACCAAGCGCTGGAAATCTAAGTACGGCCCTCTT  
GTCCCTCATGTCTGTTCCAGAAGTGTGGGCGCCATCAGTGTCTGTTCCCTCAAAGCCTAAGGACACCCCTGATGATCTCTGGACCCCTGAAGTGACCTGCGTGGTGGATGTGCCAAGAGGATCCCGAGGTGCAGT  
TCAATTGGTACGTGGACGGCTGGAAGTGCACAACGCCAAGCAAGCCTAGAGAGGAACAGTTCAACTCCACTCAGAGTGGTGTCCGTGTGACCGTGTGCCAAGGATTGGTGAACGGCAAGAGTACAAGTGAAGGT  
GTCCAACAAGGGCTGCCTCCAGCATCGAAAAGCATCTCAAGGCCAAGGGCCAGCTAGGGAACCCAGGTTTACACCTGCCTCAAGCCAAGAGGAAATGACCAAGAACCAGGTGTCCCTGACCTGCTGTGAAGGGC  
TTCTACCTTCCGATATCGCCGTGGAATGGGAGAGCAATGGCCAGCCAGAGAACAACCTACAAGACAACCCCTCTGTGCTGGACTCCGACGGCTCTTCTTCTGATTCCCGCTGACCGTGGACAAGTCCAGATGGCAAGAGGG  
CAACGTGTCTCTGCTGTGATGCACGAGGCCCTGCACAACCACTACCCAGAAGTCCCTGTCTGTCCCTGGGCTGATAAGGTGACCTTAGA

### Light Chain

AAGCTTACGCGTGCCACCATGGGCTGGTCTGCATCATCTGTTTCTGGTGGTACCAGTACCAGGCGTGCACCTCCGATATCCAGATGACCCAGTCTCTCCAGCTGTCTGCTTCCGTGGGGCAGAGAGTACCATCATGCAAG  
GCCTCCGACCATCTGAAGTTTCTGACCTGGTATCAGCAGAAGCCCGCAAGGCTCCCAAGCTGTTGATACGGCGCCACCTCTGTGAAACAGGGCTGCCCTCCAGATTCTCCGGCTGTGGCTGTGGCACAGACTTTACCTG  
ACAATCTCCAGCTGTGACCGCTGAGGACTTCGCCACCTACTACTGCCAGATGACTGGTCTACCCCTTTCACCTTCCGGCGAGGCCAAGGTGGAAATCAAGAGAACCCTGGCGCTCTTCCGTGTTTCTTCCACCTCCGACG  
AGCAGCTGAAGTCTGGCACCCTTCTGTGTGCTGCTGAACAACCTTACCTCCGGGAAGCCCAAGGTGCAGTGGAAAGTGGACAATGCCCTGCAGTCCGGCAACTCCCAAGAGTCTGTGACCGAGCAGGACTCCAAAGGACG  
CACCTATAGCTGTCTCCACACTGACCTGTCCAAGGCCACTAGAGAAGCAAGGTGTACCGCTGCGAAGTGAACCATCAGGCGCTGTAGCCCTGTGACCAAGTCTTCAACCGGGCGAGTGTGATAAGGTGACCTCT  
AGA

## 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 | CHO cell line  |
| Protein content   | Quantitation is carried out by UV Absorbance at 280 nm   |
| Formulation       | Storage buffer:<br>Citric acid 0.4 mg/mL;<br>NaCl 8.8 mg/mL;<br>Citrate Na 2.1 mg/mL;<br>Tween 80 0.3 mg/mL;<br>pH 5-6 |

### Product preparation

For product preparation we recommend the following steps:

1. Thaw on ice
2. Vortex gently
3. Centrifuge briefly before opening

### Product storage

The product is liquid and shipped with dry ice.

Store at -80 °C upon receipt.

Once thawed, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles

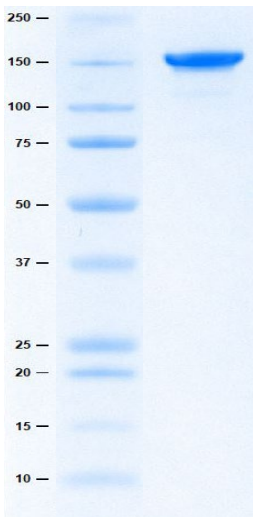
## How to use our product



SIL mAbs allow to overcome the process variability since they are added at the very beginning of a sample preparation. This has positive impact on your analyte quantification, especially if the analyte interacts with other species commonly present within the matrix (1).



## Supporting information



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

## References

1. **G.Picard, D. Lebert, et al.** PSAQ standards for accurate MS-based quantification of proteins: from the concept to biomedical applications, *J. Mass Spectrom.* 2012, 47, 1353-1363



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

## Legal

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