



Product name SILTUXIMAB



Catalog number SYX08151

Product description

Siltuximab is an anti-IL-6 chimeric (human and mouse) monoclonal antibody that binds interleukin-6. Used in the treatment of Castleman's disease

Similar products: Tocilizumab

mAb sequence

Heavy chain

Siltuximab_HC

EVQLVESGGKLLKPGGSLKLSCAASGFTFSSFAMSWFRQSPFKRLEWVAEISSGGSYTYYPDVTGRFTISRDNKNTLYLEMSSLRSEDAMYYCARGLWGYALDYWGQGTSTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKEPKSCDKHTHTCPPCPAPELGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKLSLSLSPGK

Light Chain

Siltuximab_LC

QIVLIQSPAIMASASPGKEVMTMTCASSSVSIMYWYQQKPGSSPRLLIYDTSNLSASGVPVRFSGSGSGTSYSLTISRMEAEADAATYYCQQWWSGYPYTFGGGTGLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWVKVDNALQSGNSQESVTEQDSKDSSTLSLTKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Product features and protocols

Key features

- 1** Purity >95%
as determined by SDS-PAGE
- 2** Labelling Arg-¹³C₆, ¹⁵N₄ | Lys-¹³C₆, ¹⁵N₂
- 3** Isotopic incorporation >99%
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	L-histidine 0.74 mg/mL; Polysorbate 80 0.16 mg/mL, Sucrose 33.8 mg/mL; pH 5.2

Product preparation

For product preparation we recommend the following steps:

1. Thaw in 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

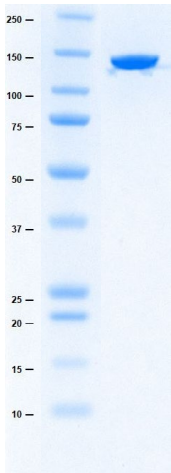
How to use our product



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 **SILTUXIMAB** 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.

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