

Product description



Product name EPCORITAMAB



Catalog number EPZ10171

Epcoritamab, (Epkinly) is a monoclonal IgG1-bispecific antibody that simultaneously binds to CD3 on T-cells and CD20 on B-cells.

Used for the treatment of diffuse large B-cell lymphoma.

Similar products: Rituximab (RIX08221), Polatuzumab (POZ10211), Obinutuzumab

mAb sequence

Heavy chain 1

EVKLVESGGGLVQPGGSLRLSCAASGFTFNTYAMNWRQAPGKGLEWVARIRSKYNNYATYYADSVKDRFTISRDSDSKSSLYLQMNNLKTEDTAMYYCVRHGNFNGSYVSWFAYWGQGTLTIVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPEFEGGPSVFLFPPKPKDTLMISRTPEVTCVVAVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIETISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFLLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPG

Heavy chain 2

EVQLVESGGGLVQPDRLRLSCAASGFTFHDYAMHWVRQAPGKGLEWVSTISWNSGTIGYADSVKGRFTISRDNAKNSLYLQMNSLRAEDTALYYCAKDIQYGNYYGMDVWVGQGTITVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPEFEGGPSVFLFPPKPKDTLMISRTPEVTCVVAVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIETISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFLLYSRLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPG

Light Chain 1

QAVVTQEPFSFVSPGGTIVTLTCSRSTGAVTTSNYANWVQQTPGQAFRLIGGTNKRAPGVPARFSGSLIGDKAALTITGAQADDESIYFCALWYSNLWVFGGGTKLTVLGQPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADSSPVKAGVETTTPSKQSNKNYAASSYLSLTPEQWKSRSYSCQVTHEGSTVEKTVAPTECS

Light Chain 2

EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLIYDASNRATGIPARFSGSGSDFTLTITSSLEPEDFAVYYCQQRNSNPITFGQGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

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 >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	Lyophilized 20 mM HEPES, 150 mM NaCl, 240 mM Sucrose, pH 7.2

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 room temperature.

Store at -80 °C upon receipt.

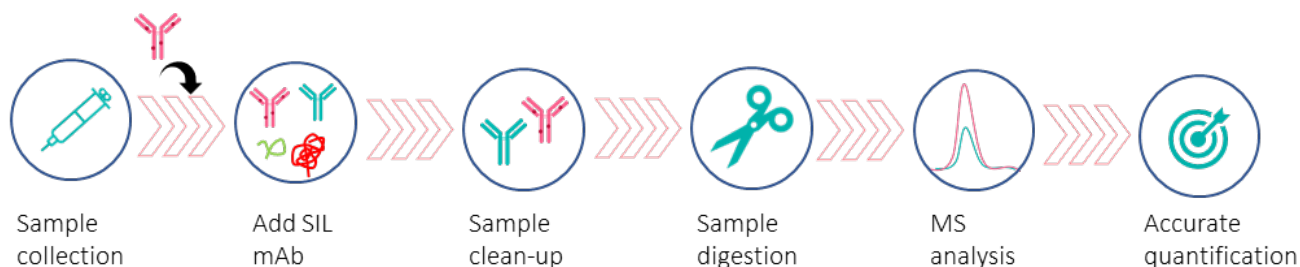
After reconstitution, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles

How to use our product



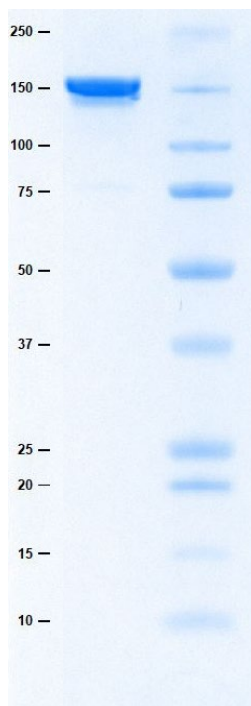
SIL mAbs allow to overcome the process variability since they are added at the very beginning of a sample preparation. This has positive impact on your analyte quantification, especially if the analyte interacts with other species commonly present within the matrix (1).



Supporting information

EPCORITAMAB:

SDS-PAGE gel analysis 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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