

Product description



Product name DATOPOTAMAB



Catalog number DAZ10161-liquid

DATOPOTAMAB: is used in the antibody–drug conjugate Datopotamab Deruxtecan. It targets TROP2 in the treatment of non-small cell lung cancer.

mAb sequence

Heavy chain DATOPOTAMAB

QVQLVQSGAEVKKPGASVKVSCKASGYFTTAGMQWVRQAPGQGLEWMGWINTHSGVPKYAEDFKGRVTISADTSTSTAYLQLSSLKSEDTAVYYCARGSGFGSSYWFYFDVWGQGLTLVTVSSASTKGPSVFLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKRVKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKLSLSLSPGK

Light Chain DATOPOTAMAB

DIQMTQSPSSLSASVGRVTITCKASQDVTSTAVAWYQQKPGKAPKLLIYSASYRYTGVPSTRFSGSGSGTDFTLTISLQPEDFAVYYCQQHYITPLTFGQGTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKSTYLSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

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	5 mM Histidine-HCl, 60 mM (2.27%) Trehalose, 0.01% Tween 20, pH 6.0

Product preparation

For product preparation we recommend the following steps:

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

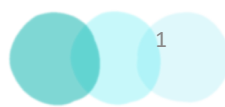
Product storage

The product is liquid and shipped with dry ice.

Store at -80 °C upon receipt.

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).

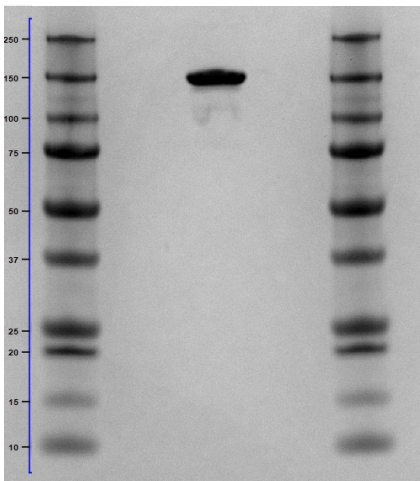


Supporting information

Datopotamab: DAZ10161-liquid

SDS-PAGE gel analysis in Reducing/Heated conditions (RH)

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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