



Product name **BRENTUXIMAB**



Catalog number **BRX08181**

Product description

BRENTUXIMAB :

- chimeric monoclonal antibody
- cAC10 targets the cell-membrane protein CD30
- Used with in treatment for Hodgkin lymphoma and systemic anaplastic large cell lymphoma

mAb sequence

Heavy chain BRENTUXIMAB

QIQLQQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIYPGSGNTKYNEKFKGKATLTVDTSSTAFMQLSSLTSEDTA
VYFCANYGNYWFAYWGQGTQVTVSAASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLS
SVVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFN
WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
VKGFPYSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPG

Light Chain BRENTUXIMAB

DIVLTQSPASLAVSLGQRATISCKASQSVDFDGDSYMNWYQQKPGQPPKVLIIAASNLESIGIPARFSGSGSGTDFTL
NIHPVEEEDAATYYCQQSNEDPWTFGGGKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKV
DNALQSGNSQESVTEQDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

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	70 mg/mL trehalose dihydrate 5.6 mg/mL sodium citrate dihydrate 0.21 mg/mL citric acid monohydrate 0.20 mg/mL polysorbate 80 5% sucrose pH 6.6

Product preparation

- 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.**

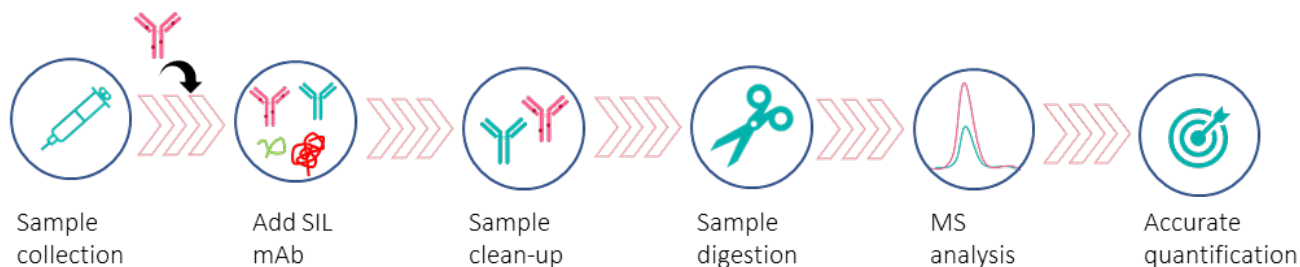
After product preparation, the protein can be preserved at 4°C for a few weeks.

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



BRENTUXIMAB
ref BRX08181:
SDS-PAGE gel analysis of
protein 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.

Legal

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