

Product description



Product name IPILIMUMAB



Catalog number YEU05271

IPILIMUMAB is a monoclonal antibody that binds to CTLA-4, blocking the inhibitory signal.

Approved for the treatment of melanoma, renal cell carcinoma (RCC), colorectal cancer, hepatocellular carcinoma, non-small cell lung cancer (NSCLC), malignant pleural mesothelioma, esophageal cancer.

Similar products: Nivolumab

mAb sequence

Heavy chain IPILIMUMAB

QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYTMHWVRQAPGKGLEWVTFISYDGNNKYADSVKGRFTISRDN SKNTLYLQMNSLRAEDT
AIYYCARTGWLGPFDYWGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLS
VVTVPSSSLGTQTYICNVNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWY
VDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGF
YPSDIAVEWESNGQPENNYKTTTPVLDSGFSFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Light Chain IPILIMUMAB

EIVLTQSPGTLSLSPGERATLSCRASQSVGSSYLAWYQQKPGQAPRLLIYGAFSRATGIPDRFSGSGSGTDFTLTISRLEPEDFAVYYCQQYGSSP
WTFGQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDYSLSTLTLSKADYEKH
KVYACEVTHQGLSSPVTKSFNRGEC

Product features and protocols

Key features

1	Purity	>95% as determined by SDS-PAGE
2	Labelling	Arg - ¹³ C ₆ , ¹⁵ N ₄ Lys - ¹³ C ₆ , ¹⁵ N ₂
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 from: Tromethamine hydrochloride 3,15 g/L Sodium chloride 5,85 g/L Mannitol 10 mg/L Pentetic acid 0,04g/L Polysorbate 80 0,1g/L pH: 7,0

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.

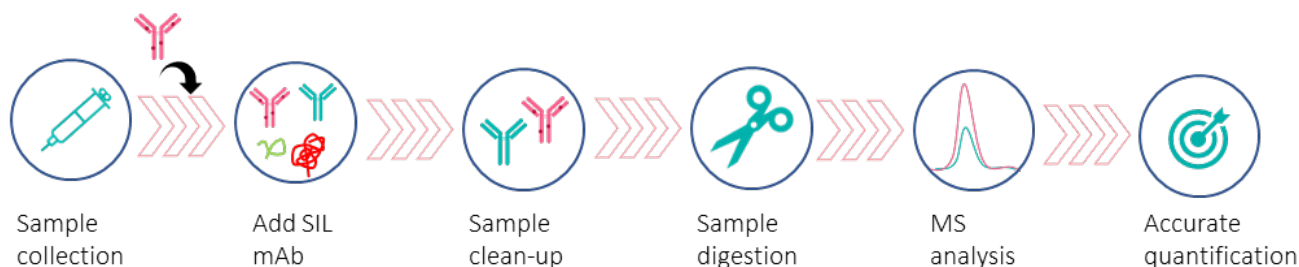
After product preparation, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles

How to use our product



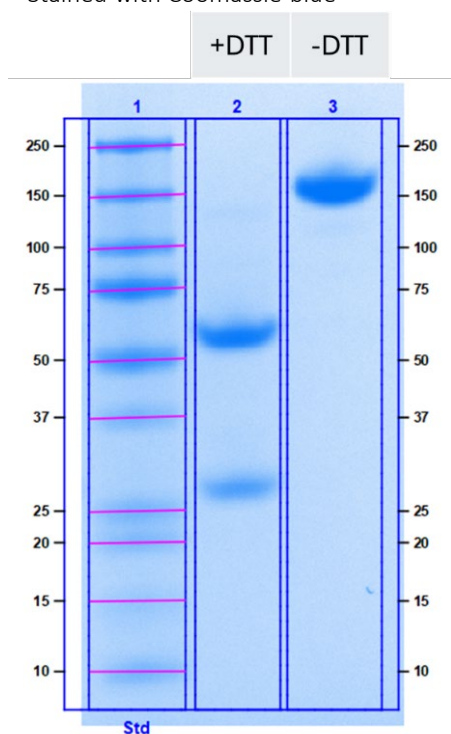
SIL mAbs allow to overcome the process variability since they are added at the very beginning of a sample preparation. This has positive impact on your analyte quantification, especially if the analyte interacts with other species commonly present within the matrix (1).



Supporting information

IPILIMUMAB YE05271:

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