

Product description



Product name AVELUMAB



Catalog number BAU05571

AVELUMAB: human monoclonal antibody, isotype IgG1. Binds the programmed death-ligand 1 (PD-L1) and inhibits binding to its receptor programmed cell death 1 (PD-1). Used in the treatment of Merkel cell carcinoma, urothelial carcinoma, and renal cell carcinoma.

mAb sequence

Heavy chain AVELUMAB:

EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYIMMWVRQAPGKGLEWVSSIYPSGGITFYADTVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARIKLGTVTVDYWGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHFTPAVLQSSGLYSLSVYVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

Light Chain AVELUMAB:

QSALTQPASVSGSPGQSITISCTGTSSDVGGINVSWYQQHPGKAPKLMYDVSNRPSGVSNRFSGSKSGNTASLTISGLQAEDEADYYCSSYTSSSTRVFGTGKVTVLGQPKANPTVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADGSPVKAGVETTKPSKQSNKNYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS

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	0.6 mg/mL acetic acid, 0.3 mg/mL sodium hydroxide, 51 mg/mL mannitol, pH 5-5.6 0,005% Tween 20

Product preparation

1. Briefly centrifuge the tube before opening
2. 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)
3. Vortex gently to insure complete dissolution
4. Wait 15 minutes at Room temperature before proceeding further
5. 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



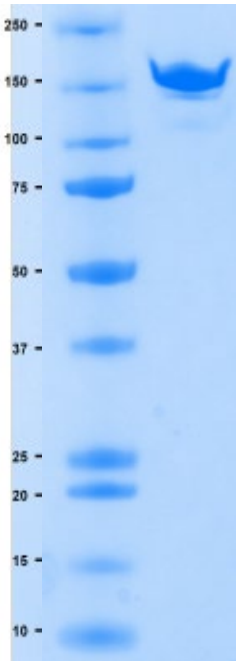
SIL mAbs allow to overcome the process variability since they are added at the very beginning of a sample preparation. This has positive impact on your analyte quantification, especially if the analyte interacts with other species commonly present within the matrix (1).



Supporting information

AVELUMAB BAU05571:

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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