

## Product description



**Product name** AVELUMAB



**Catalog number** BAU05571-liquid

**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

EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYIMMWVRQAPGKGLEWVSSIYPSGGITFYADTVKGRFTISRDNSKNTLYLQMNSLRAEDTA VYYCARIKLGTVTTVDYWGQGLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSQVHTFPAVLQSSGLYSL SSVVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFN WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL VKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

### Light Chain AVELUMAB:

QSALTQPASVSGSPGQSTISCTGTSSDVGGINVSWYQQHPGKAPKLMYDVSNRPSGVSNRFSGSKSGNTASLTISGLQAEDEADYYCSSY TSSSTRVFGTGKVTVLGQPKANPTVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADGSPVKAGVETTKPSKQSNKYYAASSYLSLTPE QWKSHRSYSCQVTHEGSTVEKTVAPTECS

## Product features and protocols

### Key features

1	Purity	>95% as determined by SDS-PAGE
2	Labelling	<b>Arg</b> - <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub>   <b>Lys</b> - <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub>
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

BAU05571-liquid

## Product preparation

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

**Avoid multiple freeze-thaw cycles**

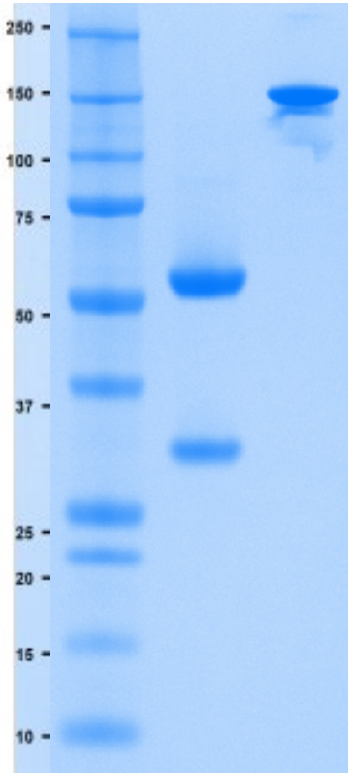
## How to use our product



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.

### Legal

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<b>Promise Proteomics</b>	DATASHEET_BAU05571-liquid_AVELUMAB
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<b>Review</b>	Arthur Giraud	Project associate		
<b>Approval</b>	Wilfried Bardet	Bioproduction Manager		

Version	Application date	Modifications history
01		Creation