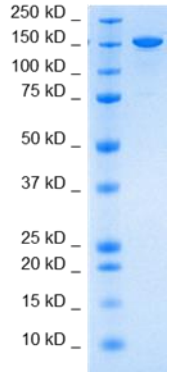
Bevacizumab labelled standard

promise ADVANCED PROTEOMICS

Product description

Bevacizumab is a recombinant humanized monoclonal IgG1 antibody that binds to and inhibits the biologic activity of human vascular endothelial growth factor (VEGF). Bevacizumab contains human framework regions and the complementarity-determining regions of a murine antibody that binds to VEGF. Bevacizumab is produced in a Chinese Hamster Ovary mammalian cell expression system in a nutrient medium containing the antibiotic gentamicin and has a molecular weight of approximately 149 kilodaltons.

Nivolumab sequence	**Heavy chain** EVQLVESGGGLVQPGGSLRLSCAASGYTFTNYGMNWVRQAPGKGLEWVGWINTYTGEPTY AADFKRRFTFSLDTSKSTAYLQMNSLRAEDTAVYYCAKYPHYYGSSHWYFDVWGQGTLVT VSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVL QSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPEL LGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREE QYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPS REEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDK SRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK **Light chain** DIQMTQSPSSLSASVGDRVTITCSASQDISNYLNWYQQKPGKAPKVLIYFTSSLHSGVPS RFSGSGSGTDFTLTISSLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTVAAPSVFIFPP SDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT LSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC
Purity	Greater than 95% as determined by SDS-PAGE analysis
Isotope incorporation	Arginine: $^{13}C_6$, $^{15}N_4$, >99% Lysine: $^{13}C_6$, $^{15}N_2$, >99%
Form and reconstitution	The product is supplied as a lyophilized powder. Store below -20°C upon receipt. Reconstitute by adding ultrapure water and let 15-20 min at room temperature to optimize reconstitution, vortex and centrifuge. After reconstitution, protein can be kept at 4°C for a few weeks.



Packaging

Protein	Description	Storage solution	Total quantity	Estimated purity
Beva-13C15N	Stable isotope labelled standard for quantification of Bevacizumab in biological samples using LC-MS	10 mM PBS 60 mM trehalose 0.01% Polysorbate 20	10 µg	> 95%

This product is for research use only and is not intended for diagnostic or therapeutic use. PROMISE Advanced Proteomics shall not be held responsible for any damages resulting from the use of this product.

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SAFETY DATASHEET

Issuing Date : 2017/06/27
Revision Date :
Version: 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier : Bevacizumab-C13N15

Relevant identified uses of the substance or mixture and uses advised against

This product is for research use only.
This product is not intended for therapeutic use. It should not be administered to humans or animals.

Details of the supplier of the safety data sheet

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2. HAZARDS IDENTIFICATION

Classification of the substance
Non-Toxic and Non-Infectious

Label elements

Other information

The preparations do not contain any animal derived additives.
The materials do not come from a facility where work with exotic viruses affecting livestock and avian species is conducted.
The materials are recombinant but contain no genes and express no products of exotic livestock or poultry disease agents.

3. COMPOSITION/INFORMATION OF INGREDIENTS

Stable isotopically labelled Bevacizumab antiboy

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
- Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

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- Ingestion: Clean mouth with water. Drink plenty of water.
- Inhalation: Move to fresh air.

Most important symptoms and effects, both acute and delayed
No information available

Indication of any immediate medical attention and special treatment needed
Treat symptomatically

5. FIRE-FIGHTING MEASURES
Extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture
None in particular.

Advice for fire-fighters
Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.

Environmental precautions
Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE
Precautions of safe handling
Ensure adequate ventilation.

Conditions of safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

Specific end uses
No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Control parameters:
Exposure limits: National occupational exposure limits
Derived No Effect Level: No information available
Predicted No Effect Concentration: No information available

Exposure controls:
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment
Eye protection Tightly fitting safety goggles.

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Hand protection Protective gloves.
Skin and body protection Long sleeved clothing.
Respiratory protection No special protective equipment required.
Thermal hazards No information available

Hygiene measures:
Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls : No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES
Information on basic physical and chemical properties
Physical State @20°C: No information available
Odor: No information available
Appearance: no information available

pH: No information available
Melting/freezing point: No information available
Boiling point/boiling range: No information available
Flash point: No information available
Evaporation rate: No information available
Flammability (solid,gas): No information available
Vapor pressure: No information available
Vapor density: No information available
Relative density: No information available
Water solubility: No information available
Solubility in other solvents: No information available
Partition coefficient : n-octanol/water: No information available
Autoignition temperature: No information available
Decomposition temperature: No information available
Viscosity, kinematic: No information available
Explosive properties: No information available

VOC content (%): No information available

10. STABILITY AND REACTIVITY
Reactivity: No information available
Chemical stability: Stable under normal conditions
Precautional Statements: None under normal processing
Conditions to avoid: Heat, flames and sparks.
Incompatible materials: None in particular
Hazardous decomposition products: None under normal conditions.

11. TOXICOLOGICAL INFORMATION
Information on toxicological effects
Product information: No data available
Inhalation: No data available
Eye contact: No data available
Skin contact: No data available
Ingestion: No data available

Chronic toxicity
Corrosivity: No information available
Sensitization: No information available
Neurological effects: No information available
Reproductive toxicity: No information available
Mutagenic effects: No information available

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Target Organ effects: No information available

12. ECOLOGICAL INFORMATION

Toxicity: As supplied, the preparation is not expected to present significant adverse environmental effects.
Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Results of PBT and vPvB assessment: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Dispose of in accordance with local regulations.
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Issue date: 2017/06/27
Revision Note:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer:
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any in process, unless specified in the text.