

Section 1: COMPANY AND PRODUCT INFORMATION

1.1 Product Name: GDF-15 Monoclonal Antibody (mAb)

1.2 Product Code: AB-340-AG068

1.3 Product Category: GMDN N.A./EDMA N.A

1.3 Manufacturer: **Manufacturer:**
 Ansh Labs
 445 Medical Center Blvd
 Webster, TX 77598
 Ph: (281) 404-0260
techsupport@anshlabs.com

1.4 Emergency telephone number: Emergency telephone (24 h): 911
 Poison Control: 1-800-222-1222
 In the event of a medical emergency, please contact your local medical authority.

1.5 Relevant identified uses of the substance/mixture: Research Use Only. For professional laboratory use.
uses advised against (target): Detection of GDF-15

1.6 Content (name and label reference):

Name	Part Number	Quantity	Main Ingredients
GDF-15 Monoclonal Antibody	AB-340-AG068	0.1 – 100 mg	Colorless Liquid

Section 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:	This product is not classified as hazardous material and is not regulated under the IATA Dangerous Goods Regulations (66 th Edition). None of the material of this product may be classified as dangerous according to REACH regulations and EC Directives 1272/2008/EC due to the low concentration of hazardous ingredients.
2.2 Label elements	Not applicable.
2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:	Not applicable. Note: this product is intended for laboratory use by professional uses only. Use appropriate personal protective equipment while working with the reagents provided. The product is from mouse origin however the purified mAb is free from human or animal components.

Section 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Antibody Buffer	Part Number
Phosphate Buffered Saline, 10mM, pH 7.4	AP003

Section 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice:	No special measures required. Consult a physician in case of complaints.
If inhaled:	If product is inhaled, move exposed individual to fresh air.
In case of skin contact:	In case of skin contact, flush with water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.
In case of eye contact:	If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.
If swallowed:	If ingested, wash mouth out with water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed:

No data available.

Section 5: FIREFIGHTING MEASURES**5.1 Flammable Properties:**

Nonflammable solution.

5.2 Extinguishing media:

Chemical or water fire extinguisher.

5.3 Special hazards arising from the substance or mixture:

No special hazards determined.

5.4 Advise for Firefighters

Wear self-contained breathing apparatus for firefighting, if necessary.

5.5 NFPA Rating

Health: 1

Flammability: 0

Reactivity: 0

Section 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

Use appropriate personal protective equipment (Wear rubber gloves, safety goggles, impermeable shoe covers and long laboratory coat).

6.2 Spill and Leak Procedures:

Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.

6.3 Environmental precautions:

Contain the spill to the smallest area possible. Do not let product enter drains. Discharge into the environment must be avoided.

6.4 Methods and material for containment and cleaning up:

Absorb with inert absorbent material and dispose of a waste (see section 13).

6.5 Reference to other sections:

For disposal see section 13.

Section 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Wear suitable personal protective equipment. Take care not to splash spill or splatter reagents. Do not eat, drink, smoke or apply cosmetics in laboratory areas. Do not pipette samples or reagents by mouth.

7.2 Recommended Storage and Conditions:

To maintain efficacy, store according to the instructions in the product labelling

7.3 Specific end use(s):

This product is intended for laboratory use by professional users only.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters:**

Component with exposure limits: it doesn't contain substances with exposure limit value.

8.2 Exposure controls

Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks at the end of workday.

8.3 Personal protective equipment:

US OSHA: None established.

ACGIH: None established.

DFG MAK: None established.

NIOSH: None established.

Japan: None established.

Engineering Controls: Use in well-ventilated area.

Eye/face protection: Safety glasses or chemical goggles should be worn to prevent eye contact.

Skin protection: Lab coats, non-permeable rubber, neoprene, latex or nitrile disposable gloves.

Body protection: Lab coats.

Respiratory protection: Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties:

Component	a) Appearance	b) Odor	c) pH
GDF-15 Monoclonal Antibody	liquid, clear	odorless	7.2-7.4

For all components

d) odor threshold	no data available
e) melting point / freezing point	no data available
f) initial boiling point and boiling range	no data available
g) flash point	no data available
h) evaporation rate	no data available
i) flammability (solid, gas)	no data available
j) upper/lower flammability or explosive limits	no data available
k) vapor pressure	no data available

l) vapor density	no data available
m) relative density	no data available
n) solubility(ies)	no data available
o) partition coefficient: n-octanol / water;	no data available
p) auto-ignition temperature	no data available
q) decomposition temperature	no data available
r) viscosity	no data available
s) explosive properties	no data available
t) oxidizing properties	no data available

9.2 Other information:

No other information available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No data available.

10.2 Chemical stability:

No data available.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Avoid repeated freeze/thaw cycles.

10.5 Incompatible materials:

Strong acids; strong bases; strong oxidizers.

10.6 Hazardous decomposition products:

No decomposition products posing significant hazards would be expected from this product.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

a) acute toxicity	no data available
b) skin corrosion/irritation	no data available
c) serious eye damage / irritation	no data available
d) respiratory or skin sensitization	no data available
e) germ cell mutagenicity	no data available
f) carcinogenicity	no data available
g) reproductive toxicity	no data available

h) STOT-single exposure	no data available
i) STOT-repeated exposure	no data available
Potential health effects	
Inhalation	no data available
Ingestion	no data available
Skin	no data available
Eyes	no data available
11.2 Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.	
11.3 Additional Information: Not applicable.	

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No data available.
12.2 Persistence and degradability: No data available.
12.3 Bio accumulative potential: No data available.
12.4 Mobility in soil: No data available.
12.5 Results of PBT and vPvB assessment: No data available.
12.6 Other adverse effects: No data available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: Reagents must be disposed of in accordance with local regulations. Do not dispose of in wastewater. If appropriate, contact a licensed disposal company.
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Section 14: TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG, because it is in a very small quantity, the product benefits from a total exemption from the ADR regulation.

14.1 UN Number:
No data available.

14.2 UN proper shipping name:
No data available.

14.3 Transport hazard class(es):
No data available.

14.4 Packing group:
No data available.

14.5 Environmental hazards:
No data available.

14.6 Special precautions for user:
No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
No data available.

Section 15: REGULATORY INFORMATION

This product is not regulated under US Federal and State Regulations, EU labeling Classification, Canada, and WHMIS Classification.

Section 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Changing against the last version:

Section 2.1 Updated Reach regulations

Ansh Labs Safety Rating	Flammability: 0	Code 0=None 1=Slight 2=Caution 3=Severe
	Health: 1	
	Reactivity with Water: 0	
	Contact: 0	

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises danger euses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA:
International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
* Data compared to the previous version altered

Key literature references and sources for data: N/A

Hazard Classification codes and phrases used in this Safety Data Sheet as per regulation: None

Advice for training:

The product is intended for professional laboratory use.

Department issuing SDS: Regulatory Affairs Department / Document Control.

Contact: TechSupport@AnshLabs.com