

# Safety Data Sheet

according to regulation (EC) No 1907/2006

Product name: Fab-Streps / Nano-Streps  
Version: 3.5  
Revision date: 26.01.2021



## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

<b>Product Name:</b>	Fab-Streps / Nano Streps		
<b>Product Number:</b>	6-80xx-xxx Fab-Streps for cell purification (human) 6-85xx-xxx Fab-Streps for cell purification (mouse) 6-85xx-xxx Nano-Streps for cell purification (mouse) 6-89xx-xxx Fab-Streps for cell expansion		
<b>Product as part of kits:</b>	6-80xx-xxx	are part of	FABian Isolation Kits (human): 6-6001-001, 6-6002-001, 6-6003-001, 6-6004-001, 6-6007-001, 6-6013-001, 6-6014-001, 6-6015-001, 6-6016-001, 6-6017-001 Fab-TACS Agarose Column Starter Kits (human) 6-3201-002, 6-3202-002, 6-3203-002, 6-3213-002, 6-3216-002 Fab-TACS® Exosome Agarose Column Starter Kit (human) 6-3319-002, 6-3381-002 Fab-TACS® Magnetic Microbead Starter Kits (human): 6-8000-101, 6-8000-103, 6-8000-104, 6-8000-105, 6-8000-106, 6-8000-107, 6-8000-108, 6-8000-109, 6-8000-110, 6-8000-111, 6-8000-112, 6-8000-113, 6-8000-114, 6-8000-115, 6-8000-116, 6-8000-117, 6-8000-121
	6-85xx-xxx	are part of	Fab-TACS/Nano-TACS Agarose Column Starter Kit (mouse): 6-3301-002, 6-3304-002, 6-3305-002, 6-3307-002 FABian Isolation Kits (mouse) 6-6501-001, 6-6504-001, 6-6505-001, 6-6507-001
	6-89xx-xxx	are part of	CD3/CD28 Streptamer Kit (human) 6-8900-050

### Registration Number:

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### 1.2 Relevant identified uses of the substance or mixture

laboratory chemical

### and uses advised against:

No relevant information available.

### 1.3 Details of the supplier of the safety data sheet

**Supplier:** IBA GmbH  
Rudolf-Wissell-Str. 28  
37079 Göttingen  
Germany  
**Telephone:** +49-551-50672- 0  
**E-mail:** info@iba-lifesciences.com

### 1.4 Emergency Telephone Number

**Emergency Phone:** +49 (0)551/ 19240 (Poison Information Center Göttingen)

## 2 Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]** not hazardous

### 2.2 Label elements

**Labeling according to Regulation (EC) No 1272/2008 [CLP]** n/a

### 2.3 Other hazards

To the best of our knowledge, the chemical, physical, and toxicological properties of the various fab-streps have not yet been thoroughly investigated.

IBA GmbH therefore recommends treating these products with the care that is due to unknown chemicals.

## 3 Composition/Information on ingredients

### 3.2 Chemical characterization: Mixtures

#### Description of product:

Fab-Streps are recombinant microbially expressed Fab fragments of monoclonal antibodies against cell surface markers.

Fab-Streps are dissolved in PBS-buffer containing 0.5% human serum albumin (HSA) and then lyophilized.

#### Hazardous components according to Regulation (EC) No 1272/2008 [CLP]:

No component of this mixture is classified as hazardous according to Regulation (EC) No 1272/2008.

## 4 First aid measures

### 4.1 Description of first aid measures



- After inhalation:** Provide fresh air. If feeling unwell, consult a physician.
- After skin contact:** Wash with plenty of soap and water. If skin irritation occurs, consult a physician.
- After eye contact:** Flush eyes with water for at least 10 minutes. If irritation persists, consult a physician.
- After ingestion:** Rinse mouth and drink water if conscious. If feeling unwell, consult a physician.

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

No relevant information available.

#### **4.3 Indications of any immediate medical attention and special treatment needed**

No relevant information available.

### **5 Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

CO<sub>2</sub>, dry extinguishing powder, foam, or water spray.

##### **Unsuitable extinguishing media**

No relevant information available.

#### **5.2 Special hazards arising from the substance or mixture**

No relevant information available.

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary (see section 5.2).

### **6 Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear suitable protective equipment.

Avoid eye and skin contact.

#### **6.2 Environmental precautions**

Do not let product enter drains.

#### **6.3 Methods and material for containment and cleaning up**

Take up mechanically.

Place in appropriate containers for disposal.

Provide suitable ventilation.

#### **6.4 Reference to other sections**

Information about safe handling: see section 7.

Information about protective equipment: see section 8.

Information for disposal: see section 13.

### **7 Handling and storage**

#### **7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

Keep containers, equipment, and workplace clean.

#### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage rooms and containers:** No special requirements.

**Incompatible substances or mixtures:** Keep away from food and drink.

**Consideration of other advice:** Keep containers tightly closed.

**Recommended storage temperature:** -90 to -60 °C

#### **7.3 Specific end use(s)**

No relevant information available.

## 8 Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters: none

### 8.2 Exposure controls

#### General precautionary and hygiene measures

The usual precautions for handling chemicals should be observed.

Avoid contact with eyes and skin.

Wash hands before breaks and after work.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Inspect gloves prior to each use. Choose suitable gloves according to break through time, permeation rate and material degradation.

##### Glove material

Nitrile rubber, minimum layer thickness:  $\geq 0,11$  mm

The suitability of gloves depends on several quality characteristic besides the material. It may differ from one supplier to another.

##### Break through time

Break through level: Level  $\geq 6$

The exact break through time should be inquired from the supplier and should be observed.

#### Eye protection

Use safety goggles with side protection.

#### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	colorless powder (lyophilized)
<b>Odor:</b>	odorless
<b>Odor threshold:</b>	no data available
<b>pH:</b>	no data available
<b>Melting point:</b>	no data available
<b>Freezing point:</b>	no data available
<b>Initial boiling point and boiling range:</b>	no data available
<b>Flash point:</b>	no data available
<b>Evaporation rate:</b>	no data available
<b>Upper/lower explosive limits:</b>	no data available
<b>Vapor pressure:</b>	no data available
<b>Vapor density:</b>	no data available

<b>Relative density:</b>	no data available
<b>Water solubility:</b>	no data available
<b>Partition coefficient (n-octanol/water):</b>	no data available
<b>Viscosity:</b>	no data available
<b>Explosive properties:</b>	not explosive
<b>Oxidizing properties:</b>	not oxidizing

## 9.2 Other safety information

No further relevant information available.

## 10 Stability and reactivity

### 10.1 Reactivity

See section 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Reactions with alkaline and oxidizing substances.

### 10.4 Conditions to avoid

No relevant information available.

### 10.5 Incompatible materials

No relevant information available.

### 10.6 Hazardous decomposition products

No relevant information available.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No relevant information available.

#### Skin corrosion/irritation

No relevant information available.

#### Serious eye damage/eye irritation

No relevant information available.

#### Respiratory or skin sensitization.

No relevant information available.

#### Germ cell mutagenicity

No relevant information available.

#### Carcinogenicity

No relevant information available.

#### Reproductive toxicity

No relevant information available.

**Specific target organ toxicity – single exposure**

No relevant information available.

**Specific target organ toxicity – repeated exposure**

No relevant information available.

**Aspiration hazard**

No relevant information available.

**12 Ecological information**

**12.1 Toxicity**

No relevant information available.

**12.2 Persistence and degradability**

No relevant information available.

**12.3 Bioaccumulative potential**

No relevant information available.

**12.4 Mobility in soil**

No relevant information available.

**12.5 Results of PBT- and vPvB-assessment**

No relevant information available.

**12.6 Other adverse effects**

No relevant information available.

**13 Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation for product:**

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

**Contaminated packaging:**

Dispose of as unused product.

**14 Transport information**

**14.1 UN-Number**

ADR/RID: -                                      IMDG: -                                      IATA: -

**14.2 UN proper shipping name**

ADR/RID: not dangerous goods      IMDG: not dangerous goods-      IATA: not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: -                                      IMDG: -                                      IATA: -

**14.4 Packaging group**

ADR/RID: -                                      IMDG: -                                      IATA: -

**14.5 Environmental hazards**

ADR/RID: no                                      IMDG: marine pollutant: no                                      IATA: no

#### **14.6 Special precaution for user**

No relevant information available.

#### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC code**

No relevant information available.

### **15 Regulatory Information**

#### **15.1 Safety, health and environmental regulation specific for the substance or mixture**

##### **National regulations:**

No relevant information available.

#### **15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance / mixture.

### **16 Other information**

The above information is based on our present-day knowledge. It does not represent any guarantee of the properties of the product, not guarantee specific properties of the product and shall not establish a legally valid contractual relationship.

#### **17 Changes to Version 3.0** (from 01.11.2015)

Fab-Streps for cell activation and expansion have been included. Except for the concentration of the new Fab-Streps all information relevant to this safety data sheet remains unchanged.

#### **Changes to Version 3.1** (from 01.03.2016)

Concentration of Fab-Streps is no longer given on MSDS.

#### **Changes to Version 3.2** (from 30.08.2018)

Mouse Fab-Streps have been included.

Fab-Streps are lyophilized.

#### **Changes to Version 3.3** (from 21.01.2020)

The list of kits containing this product was updated.

#### **Changes to Version 3.4** (from 09.06.2020)

The list of kits containing this product was updated.