

# SAFETY DATA SHEET

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

Product Name: (HEK293) IUPAC name:	Human Coronavirus 229E Spike Glycoprotein (Full-Length), Sheep Fc-Tag -
Product Number: CAS number:	REC31880-100 / REC31880-500
C	
Company:	The Native Antigen Company Ltd.
	Building B
	Langford Locks
	Kidlington
	Oxfordshire
	OX5 1LH
	<u>Tel+44</u> (0)1865 595230

E-mail address: <a href="mailto:contact@thenativeantigencompany.com">contact@thenativeantigencompany.com</a>

#### 2. HAZARDS IDENTIFICATION

## **Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

## Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The human coronavirus 229E Spike protein soluble domain has been C-terminally tagged with a sheep Fctag. Amino acids 533-540 have been replaced with 9 AA glycine-serine linker to prevent protein cleavage by host cell proteases. Sample is of biological origin and is presented as a liquid in a plastic vial. Each vial contains no more than 1000µg.

Additional components present: DPBS.

## 4. FIRST AID MEASURES

If inhaled:

Remove person to fresh air, seek medical advice if breathing becomes difficult.

In case of skin contact: Wash off with soap and water.

www.thenativeantigencompany.com VAT No: 102038475

contact@thenativeantigencompany.com Registration No. 7386339

The Native Antigen Company is now part of LGC Group.

Science for a Safer World



## In case of eye contact: Rinse at eyewash station.

If swallowed: No

No treatment required.

## **5. FIRE-FIGHTING MEASURES**

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for fire-fighters

None required.

## 6. ACCIDENTAL RELEASE MEASURES

## Personal precautions

Wear gloves.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so.

#### Methods and materials for containment and cleaning up

Pick up using absorbent tissue and arrange for safe disposal. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes.

## Conditions for safe storage

Recommended storage temperature: Short term: -80°C. Long-term: -80°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

#### **Respiratory protection**

None necessary.

#### Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

## **Eye protection**

Safety glasses if desired



www.thenativeantigencompany.com VAT No: 102038475 contact@thenativeantigencompany.com Registration No. 7386339

The Native Antigen Company is now part of LGC Group.

Science for a Safer World



## Skin and body protection

Laboratory coat

#### **Hygiene measures**

Avoid contact with skin, eyes and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Colourless liquid

## Safety data

pH:	7.4
Melting point:	no data available
Boiling point:	no data available
Flash point:	no data available
Ignition temperature:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Water solubility:	soluble

## **10. STABILITY AND REACTIVITY**

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Conditions to avoid**

Avoid multiple freeze thaw cycles

## Materials to avoid

Strong oxidizing agents

## Hazardous decomposition products

None known

## **11. TOXICOLOGICAL INFORMATION**

#### Acute toxicity

no data available

## Skin corrosion/irritation

no data available

## Serious eye damage/eye irritation

no data available

## **Respiratory or skin sensitization**

no data available



www.thenativeantigencompany.com VAT No: 102038475

The Native Antigen Company is now part of LGC Group.



## Germ cell mutagenicity

no data available

## Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## **Reproductive toxicity**

no data available

#### **Aspiration hazard**

no data available

## **Potential health effects**

Inhalation	None
Ingestion	None
Skin	None
Eyes	May cause eye irritation.

#### Signs and Symptoms of Exposure

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

#### **Additional Information**

#### **12. ECOLOGICAL INFORMATION**

#### Toxicity

No data available

#### Persistence and degradability

Degrades easily

**Bioaccumulative potential** 

Low

Mobility in soil

no data available

**PBT and vPvB assessment** no data available

no data avaliable

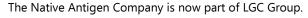
## Other adverse effects

no data available

#### **13. DISPOSAL CONSIDERATIONS**

## Product

www.thenativeantigencompany.com VAT No: 102038475





Observe all federal, state, and local environmental regulations. Can be disposed of down sink.

## Contaminated packaging

Dispose of as unused product.

#### **14. TRANSPORT INFORMATION**

Not dangerous goods, no transport limitations.

#### **15. REGULATORY INFORMATION**

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

#### **16. OTHER INFORMATION**

None

Last updated: 25/08/2020

#### Prepared by: The Native Antigen Company

Although the information, opinions and recommendations contained in this Safety Data Sheet are compiled from sources believed to be reliable, we accept no responsibility for the accuracy, sufficiency, or reliability or for any loss or injury resulting from the use of the information.



www.thenativeantigencompany.com VAT No: 102038475