

# Product Datasheet

## Cell Surface Staining Flow Cytometry Kit NBP2-26247

Unit Size: 1 Kit

Store at 4C. Do not freeze.

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**NBP2-26247****Cell Surface Staining Flow Cytometry Kit****Product Information**

<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C. Do not freeze.

**Product Description**

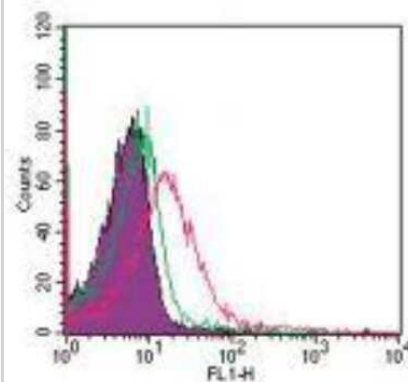
<b>Description</b>	This kit allows for a convenient way to quickly and efficiently prepare samples for flow cytometry.
<b>Kit Components</b>	1X Staining Buffer (3 x 60 mL), 10% Paraformaldehyde (10 mL)

**Product Application Details**

<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry
<b>Application Notes</b>	Cell Surface staining flow kit is a convenient way to quickly and efficiently prepare samples for flow cytometric analysis.

**Images**

Flow Cytometry: Cell Surface Staining Flow Cytometry Kit [NBP2-26247]  
 - Cell surface flow cytometry of TLR4 in mouse splenocytes using anti-TLR4 monoclonal antibody and Cell Surface Staining Kit. The shaded histogram represents cells alone; green represents isotype control; red represents anti-TLR4 antibody.

**Publications**

Wijewantha N, Sane S, Eikanger M et al. Enhancing Anti-Tumorigenic Efficacy of Eugenol in Human Colon Cancer Cells Using Enzyme-Responsive Nanoparticles Cancers 2023-02-10 [PMID: 36831488] (FLOW, Human)

Sari AN, Dhanjal JK, Elwakeel A et al. A Low Dose Combination of Withaferin A and Caffeic Acid Phenethyl Ester Possesses Anti-Metastatic Potential In Vitro: Molecular Targets and Mechanisms Cancers 2022-02-03 [PMID: 35159054] (FLOW)

Wang J, Bhargava P, Yu Y et al. Novel Caffeic Acid Phenethyl Ester-Mortalin Antibody Nanoparticles Offer Enhanced Selective Cytotoxicity to Cancer Cells Cancers (Basel) 2020-08-21 [PMID: 32825706] (FLOW)

Wu Y, Lu J, Antony S et al. Activation of TLR4 is required for the synergistic induction of dual oxidase 2 and dual oxidase A2 by IFN- $\gamma$  and lipopolysaccharide in human pancreatic cancer cell lines J Immunol J Immunol. 2013-02-15 [PMID: 23296709] (Flow-CS, Human)

Details:

Citation using the Azide Free format of this antibody.

## Procedures

### MSDS (NBP2-26247)

Cell Surface Staining Flow Cytometry Kit:

Hazard Information

Chemical Name Sodium Azide

Chemical Formula  $\text{NaN}_3$

CAS Number 26628-22-8

EEC-No 247-852-1

Hazard Identification

Very toxic if swallowed. Contact with acids liberates very toxic gas.

First Aid Measures

Eye Contact Irrigate thoroughly with water for at least 15 minutes. Seek medical advice.

Skin Contact Wash skin thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.

Inhalation Remove from exposure, rest and keep warm. In severe cases, seek medical advice.

Ingestion Wash out mouth thoroughly with water and give plenty of water to drink. Seek medical advice.

Accidental Release Measures

Wear appropriate protective clothing. Inform others to keep a safe distance. Spread soda ash liberally over spillage. If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water.

Handling and Storage

Handling Avoid prolonged contact with copper or lead, especially in drainage systems or mercury and other heavy metals which may result in the formation of explosive azides. Under no circumstances eat, drink or smoke while handling this material. Wash hands thoroughly after working with this material. Contaminated clothing should be removed and washed before re-use.

Exposure Controls / Personal Protection

Respirator Dust respirator

Ventilation Extraction hood

Gloves Rubber or plastic

Eye Protection Lab goggles or face shield

Other Precautions Plastic apron, sleeves, boots - if handling large quantities.

Physical and Chemical Properties

Form Liquid

Color Colorless

Odor Odorless

Melting Point No data available

Boiling Temperature No data available

Density No data available

Vapor Pressure No data available

Solubility in Water Very soluble

Flash Point No data available

Explosion limits No data available

Ignition Temperature No data available

Stability and Reactivity

Stable unless heated.

Slow reaction at ambient temperature unless water contains dissolved carbon dioxide. Decomposes violently with chromyl chloride. Contact with acids liberates highly toxic gas: forms readily detonable salts with many materials, particularly heavy metals.

Toxicological Information

After ingestion, irritation of mucous membranes in the mouth, pharynx, esophagus and gastrointestinal tract. Danger of skin absorption.

### Disposal Considerations

Chemical residues are generally classified as special waste, and as such covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to chemical disposal company. Rinse out empty containers thoroughly before disposal.

### Other Information

The information contained in this material safety datasheet is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. NOVUS shall not be held responsible for any damage resulting from the use of the above product or the information contained in this material safety data sheet.

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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