
APES Adhesion Promoter

Cat. No.: A1508985 | Pack size: 10ml | Storage: Store at 2-8°C, Protected from light

Overview

Silanized glass slides undergo chemical modification of the glass surface to alter its physicochemical properties, enabling tissue sections or cells to adhere firmly to the glass and prevent detachment caused by various factors such as high temperature and high pressure during antigen retrieval. Slides treated with silanization exhibit hydrophobicity.

3-Aminopropyltriethoxysilane (APES) is a novel glass slide adhesive. It modifies the physicochemical properties of the glass surface through chemical treatment, which can effectively prevent tissue detachment during various experimental operations. Slides treated with APES can be widely used in immunohistochemistry, special staining, frozen sectioning, cell culture technology, in situ hybridization and other research fields. This reagent is for research use only (RUO) and not intended for clinical diagnosis or any other applications.

Operating Procedures (For Reference Only)

1. Prepare APES slide silanization reagent: Mix acetone, ethanol or other solvents with APES Adhesion Promoter at a volume ratio of 98:2.
2. Washing: Immerse the glass slides in the prepared APES slide silanization reagent for 10 seconds, then rinse with a washing solution (acetone, ethanol or other solvents) for 10 seconds, and finally rinse in DEPC-treated water.
3. Dry the slides in the air and store them at 4 °C (it is recommended to wrap them with aluminum foil to avoid contamination).

Precaution

1. APES Adhesion Promoter is slightly toxic; handle with care to avoid skin contact or inhalation.
2. For your safety and health, wear a lab coat and disposable gloves during operation.
3. Use the reagent as soon as possible after opening to prevent adverse effects on subsequent experimental results.

Specifications

Attribute	Value
Available Size(s)	10ml
CAS No.	919-30-2
Molecular Weight	221.37
Beilstein Registry Number	1754988
EC Number	213-048-4
Synonyms	3-Aminopropyltriethoxysilane Adhesion Promoter Triethoxy-3-aminopropylsilane Adhesion Promoter APTES Adhesion Promoter APTS Adhesion Promoter
Specifications & Purity	BioReagent, for microscopy, Suitable for Immunohistochemistry(IHC), Suitable for Immunofluorescence(IF)
Stability And Storage	Store at 2-8°C long term (12 months). Store in the dark.
Storage Conditions	Store at 2-8°C, Protected from light
Shipped In	Wet ice
Shipping Note	This product requires cold chain shipping. Ground and other economy services are not available.

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for urgent product quality or safety questions, reference the product catalog number and lot number.

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Limitations & Disclaimer

- ☐ For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- ☐ This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- ☐ Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- ☐ Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the product for their specific application.
- ☐ Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document must be reviewed and reissued.