

Glysite™ Explorer *in situ* PLA Glycan Detection Kit

- SKU: GEK-1000
- List price: \$2,500
- Name of product: Glysite™ Explorer *in situ* PLA Glycan Detection Kit
- Product Size: 1 Kit
- Product image: TBD
- **Purchasing statement:** At least one Glysite™ Explorer lectin is required for use with the Glysite™ Explorer *in situ* PLA Glycan Detection Kit (GEK-1000).
- Description
 - The Glysite™ Explorer *in situ* PLA Glycan Detection Kit is a fully integrated tool for the spatial detection of glycans proximal to a protein of interest in FFPE tissues, FFPE cell pellets and fixed cells. This system integrates a curated panel of Vector's Glysite™ Explorer lectins with Navinci's proprietary *in situ* Proximity Ligation Assay (isPLA). Researchers can flexibly select specific Glysite™ Explorer lectins covering the major categories of glycan types to pair with a primary antibody targeting their protein of interest. This provides a simple approach to understand glycan-protein proximity with a spatial context.
- Product page URL: TBD
- **This kit contains 2 components. Please note shipping condition and storage condition for individual component is different.**
 - Glysite™ Explorer *in situ* PLA Glycan Detection Kit – Box 1
 - Shipping temperature: refrigerated
 - Storage condition: 4°C
 - Glysite™ Explorer *in situ* PLA Glycan Detection Kit – Box 2
 - Shipping condition: frozen- dry ice
 - Storage condition: -20°C
- Marketing materials: work in progress
 - User Guide
 - Product Information

Glysite™ Explorer Lectins for use with Glysite™ Explorer *in situ* PLA Glycan Detection Kit

- SKU: GEK-1399, GEK-1149, GEK-1249, GEK-1159, GEK-1049, GEK-1269, GEK-1119, GEK-1309, GEK-1359, GEK-1029
- List price: \$75/lectin
- Name of product

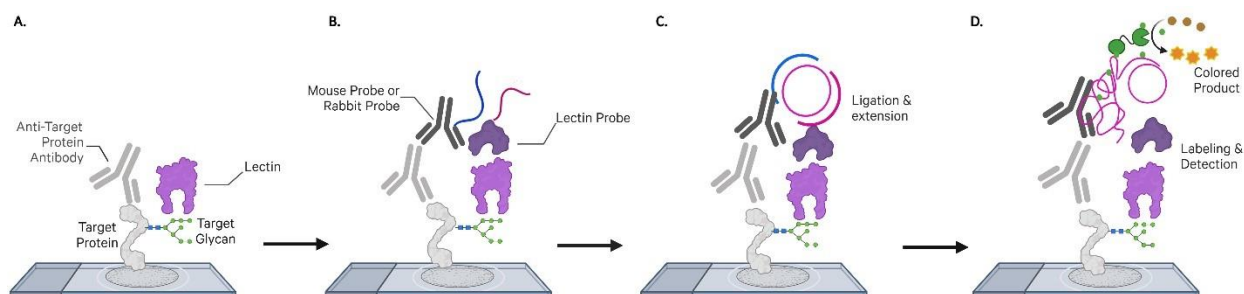
Cat. No.	Product Name	Specificity
GEK-1399	AAL Lectin (50x)	α -Fucose
GEK-1149	ECL Lectin (50x)	Terminal type 2 LacNAc, Terminal type 2 LacdiNAc
GEK-1249	GNL Lectin (50x)	Terminal α 1-3 or α 1-6 mannose
GEK-1159	Jacalin Lectin (50x)	Core 1 and 3 O-glycans, 3-substituted GalNAc α
GEK-1049	LCA Lectin (50x)	α 1-6 fucose
GEK-1269	MAL II Lectin (50x)	α 2-3-sialylated Gal β 1-3GalNAc in O-glycans, 3' sulfated β Gal
GEK-1119	PHA-L Lectin (50x)	β 1-6 branched N-glycans, Binds tri- and tetraantennary
GEK-1309	SNA Lectin (50x)	α 2-6 Sialic acid
GEK-1359	WFA Lectin (50x)	Terminal GalNAc β , Terminal GalNAc α , Terminal multiantennary LacNAc
GEK-1029	WGA Lectin (50x)	Terminal GlcNAc β , Terminal GlcNAc α , Terminal NAc containing glycans

- Product Size: 0.1 mL/lectin
- Product image: TBD
- **Purchasing statement:** At least one Glysite™ Explorer lectin is required for use with the Glysite™ Explorer *in situ* PLA Glycan Detection Kit (GEK-1000).
- Description:
 - A curated panel of Glysite™ Explorer lectins covering the major categories of glycan types including mannose, complex N-glycan, core O-glycan, fucose, sialic acid, GalNAc, GlcNAc, and LacNAc has been validated for use with the Glysite™ Explorer *in situ* PLA Glycan Detection Kit (GEK-1000). Researchers should select a Glysite™ Explorer lectin to pair with a primary antibody of their choice for use with GEK-1000. This provides a simple approach to understand glycan-protein proximity with a spatial context.

- Product page : TBD
- Shipping condition: ship with ice packs
- Storage condition: 4°C
- Marketing materials: work in progress
 - User Guide
 - Product Information

Supplemental information

The Glysite™ Explorer *in situ* PLA Glycan Detection Kit leverages Vector's well-known immunohistochemistry portfolio and lectins with Navinci's proven isPLA technology. This assay enables researchers to detect glycosylation proximal to specific proteins in a spatial context.



Simplified scheme of Glysite™ Explorer *in situ* PLA Glycan Detection Kit. **A.** Lectin binds to target glycan and primary antibody binds to target protein. **B.** Oligo probes bind to primary antibody and lectin. **C.** When oligo probes are in proximity (~40nm), ligation occurs. **D.** Amplification and detection produces a colored precipitate at the site of proximity.