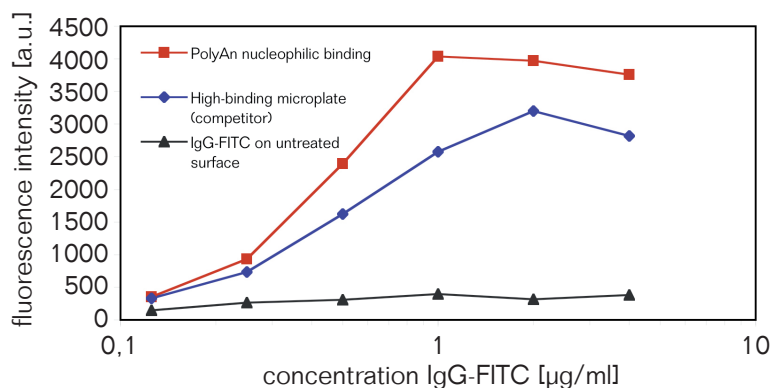


Amine-binding microplates

PolyAn's Amine-binding microplates are useful for immobilizing biomolecules that inefficiently coat by passive adsorption. PolyAn offers amine-binding surfaces, providing a **convenient method to covalently immobilize biomolecules**, e.g. proteins, peptides, amino-modified oligonucleotides or other ligands.

Immunoassay:

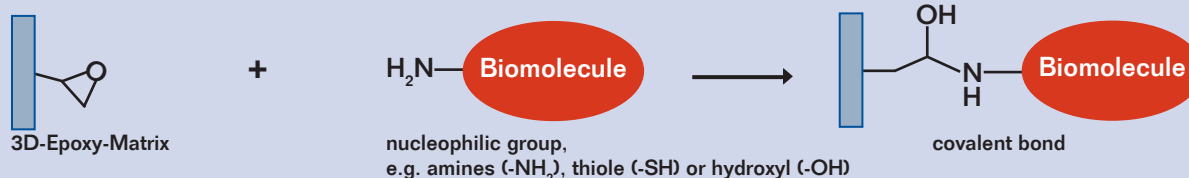
Comparison of PolyAn 3D-surfaces with a passive/adsorptive binding surface.



PolyAn nucleophilic binding

Key Features

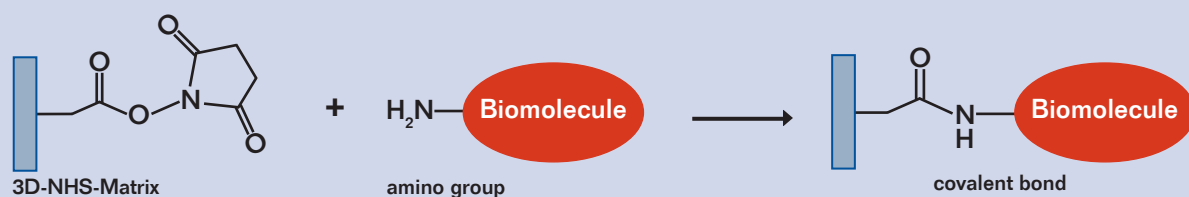
- For covalent immobilization of biomolecules
- Reacts with nucleophilic groups, e.g. amines, thiole and hydroxyl groups, under formation of a covalent bond
- Uncharged surface with integrated low fouling matrix
- Long shelf-life of up to two years



PolyAn amino binding

Key Features

- Highly reactive surface for fast coupling of primary amines
- A direct, simple approach to covalently attach molecules to the well surface of a microplate



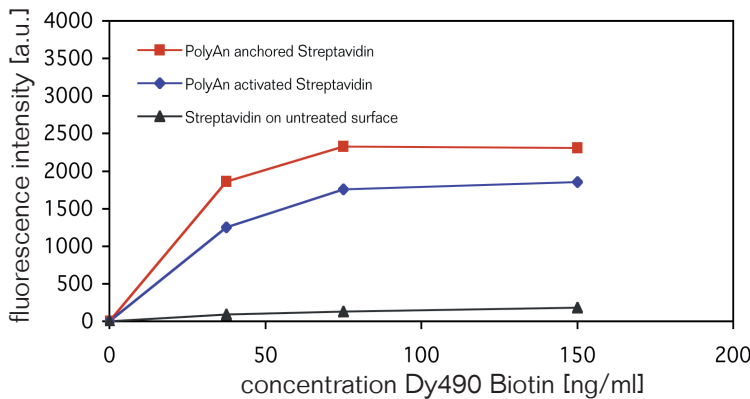
Covalently coated Streptavidin and Neutravidin plates

PolyAn is offering Streptavidin and Neutravidin coated plates available in two different variants:

PolyAn activated Streptavidin and PolyAn activated Neutravidin
Standard Capacity for all conventional immunoassays

PolyAn anchored Streptavidin and PolyAn anchored Neutravidin
Covalently coated for applications that require harsh washing conditions

Comparison of Streptavidin immobilization on surface treated versus untreated microplates



Streptavidin and Neutravidin coated plates are made using PolyAn's proprietary Molecular Surface Engineering technology to achieve maximum efficient coating of active Streptavidin or Neutravidin. PolyAn activated and PolyAn anchored plates are suitable for immunoassays as well as DNA hybridization assays.

Streptavidin is the most popular and widely available biotin-binding protein. Streptavidin has an isoelectric point (pI) of 6.8 to 7.5.

Neutravidin is a deglycosylated avidin. Removal of the excess carbohydrate yields a protein with an isoelectric point (pI) of 6.3 and less nonspecific binding properties compared to Streptavidin.

2015 AACC Annual Meeting and Clinical Lab Expo **28.07. - 30.07.2015**

PolyAn will be exhibiting at the 2015 AACC - Annual Meeting and Clinical Lab Expo at the Georgia World Congress Center, Atlanta, Georgia, USA.

Please visit us at booth 2401.



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