

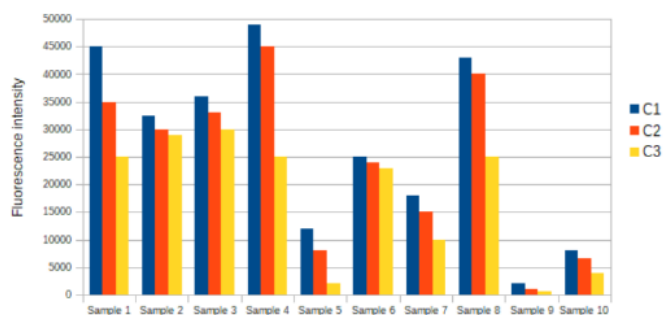
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Focus on LEctPROFILE kit

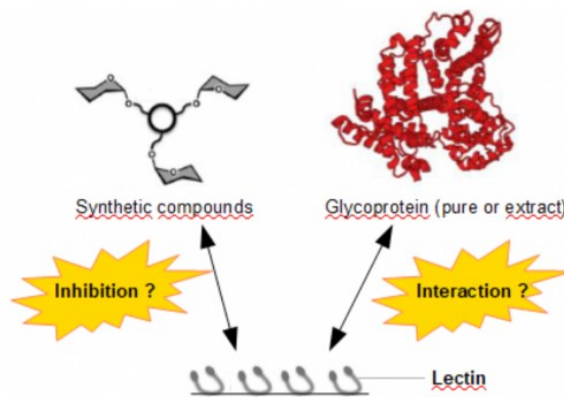
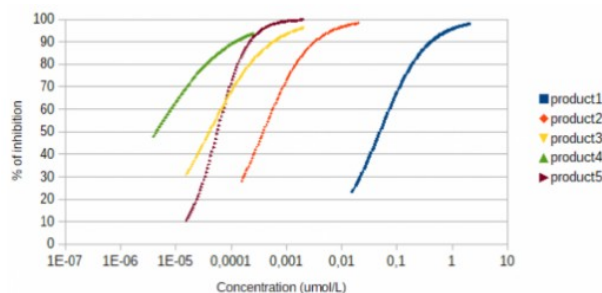
LEctPROFILE kits are lectins array that allow fast and efficient evaluation of crude or purified glycoconjugates interactions (*i.e.* synthetic molecules or glycoconjugates) by a simple measurement of absorbance or fluorescence with a microplate reader. The LEctPROFILE kit is composed of a 96-well plate immobilised with a target lectin, the corresponding tracer and the revealing solution.

The evaluation of compounds interactions with lectins is possible by two different modes :

- **Direct Binding** to evaluate potential interaction of compounds (until 10 samples at 3 concentrations in triplicate) ranging from pure molecule to complex mixtures (glycocojugates(s), complex carbohydrates glycomimetics). Previous labeling of target molecule(s) by biotinylation or by fluoresceinylation is required for readout



- **Competition Mode** : Competitive interaction between a sample and a specific labelled tracer know to have good affinity for the lectin without preliminary labelling of sample. This mode is typically used for the evaluation of the IC50- value, for the screening of potential candidates, for avidity comparison or for batch to batch monitoring. Until 8 samples can be analysed in triplicate.



Reference	Name	Specificity	Applications
LKFimH	FimH LEctPROFILE kit	High mannosylated structure glycan(s)	Biofilm, screening of inhibitors
LKGal3	Galectin 3 LEctPROFILE kit	β-galactoside structures	Ligands screening and comparison
LKGalili	Galili LEctPROFILE kit	Galα1,3Gal moieities	Galili antigen quantification
LKDC-SIGN and Langerin	DC-Sign & Langerin LEctPROFILE kit	Mannosylated/galactosylated and related glycans structures	Ligands screening and comparison
LK α2,3/α2,6	α2,3/α2,6 LEctPROFILE kit	N-acetylneuraminic acid	α2,3/α2,6 quantification
LK sialic acid	Sialic acid LEctPROFILE kit	N-acetyl/N-glycolyl neuraminic acid	NeuGc/NeuAc quantification

Products of the month: LectPROFILE FimH

FimH lectin (or type 1 fimbrial lectin), found in Escherichia Coli (E.Coli), is a lectin which plays crucial role in bacterial adhesions and diseases through interaction with carbohydrate receptors that exhibits high affinity for mannose. **FimH LEctPROFILE kit** is a tool designed to screen potential ligands/inhibitors of FimH or to highlight glycans specificity of a glycoconjugate recognized by this lectin.

Contact us for a quotation