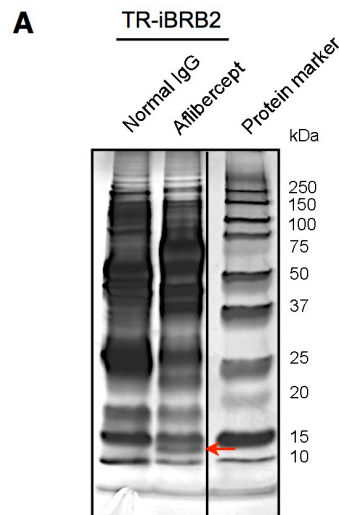


# Aflibercept Traps Galectin-1, an Angiogenic Factor Associated with Diabetic Retinopathy

Atsuhiko Kanda, Kousuke Noda, Wataru Saito and Susumu Ishida



## B

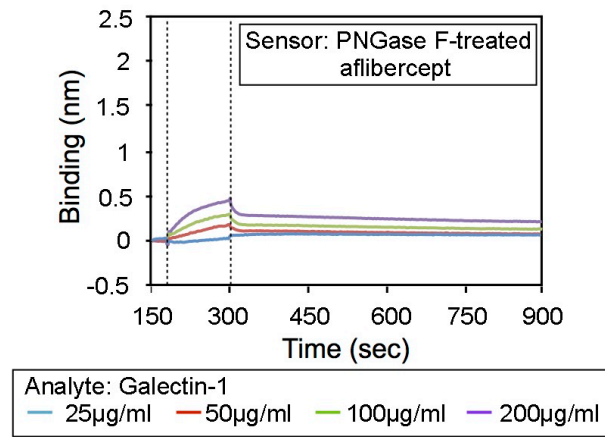
Identified protein	Gene name	Molecular mass (Da)	No. of peptides	Score	Sequence coverage (%)	Calculated pI value	p value	Accession number
Galectin-1	<i>Lgals1</i>	14,857	16	249	80	5.14	< 0.05	P11762

### Supplementary Figure S1. Molecular binding of aflibercept with galectin-1.

Rat retinal endothelial cell (TR-iBRB2) extracts were applied with aflibercept- or normal IgG-immobilized protein G beads. **A**, The eluted proteins were separated by SDS-PAGE and visualized with silver staining. A single protein band around 14 kDa was detected (red arrow). **B**, Summary of identified aflibercept-interacting protein.

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### Supplementary Figure S2. Binding affinity of deglycosylated aflibercept with galectin-1.

Sensorgrams obtained using biosensors loaded with PNGase F-treated aflibercept and incubated with different concentrations of galectin-1.