|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Inhibitor/Galectin-1** | **C3S** | **N34D** | **V32A** | **S30G** | **R74S** |
| **LacNAca** | 1 | 1 | 2 | 0.8 | 1 |
| **NeuAc2-3LacNAc** | 2 | 0.2 | 1 | 0.4 | nt |
| **GlcNAc1-3Lac** |  - |  -- | 0.5 |  -- | nt |
|  |  |  |  |  |  |
| **Haptoglobinb** | 2.5 M | nt | nt | nt | > 20 M |

**Table S2. Relative affinity of galectin-1 proteins for small saccharides and haptoglobin**

1. Average relative affinities of small saccharides, based on direct binding of fluorescein tagged probes. Binding of galectin-3 to LacNAc-probe (Kd ~40 M) is set as 1. – means not detected and nt not tested
2. Affinity for total haptoglobin containing galectin-1 bound (30%) and unbound part (70%)., based on inhibition of galectin interaction with tdga-probe. The calculation was done using a molecular weight of 120 kD as for dimeric haptoglobin. From this it can be estimated that the affinity for galectin-1 bound haptoglobin is Kd < 1 M, and even lower if higher oligomers are considered.