**Table S1: Summary of studies on Theragnostic applications of nanoparticle - IgY**

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| --- | --- | --- | --- | --- | --- |
| **Year** | **Author's Name** | **Target** | **Type of NP** | **IgY Dosage** | **Outcome** |
| 2009 | Xiao *et al* (55) | To detect and selectively destruct cancer cells | HER2 IgY-SWCN complex | 60 μL of (1.0 mg/mL) chicken anti-HER2 IgY antibody (Conjugation) | Successfully used *in-vitro* for both detection and selective destruction of HER2 expressing breast cancer cells |