

## Product data sheet

<b>Product number</b>	OLIGOAB01H
<b>Antibody specificity</b>	Rat IgG (Fc specific)
<b>Clone number</b>	A set of murine monoclonal antibodies
<b>Immunogen</b>	Rat IgG
<b>Antibody form</b>	Intact antibody labelled with horseradish peroxidase in PBS containing 0.01% thimerosal as a preservative
<b>Cross-reactivity</b>	None or very low cross-reaction with IgG from mice, goat and human. Not cross-react with rat IgM
<b>Applications</b>	OLIGOAB01H is made by a set of defined murine monoclonal antibodies which we call oligoclonal antibody optimized as a secondary antibody for detection of rat IgG. The advantage of OLIGOAB01H over traditional polyclonal antibody is that it gives none or very low cross-reactions to murine immunoglobulins. Therefore, it has very low background when the test system contains murine immunoglobulins (Figure 1 and Figure 2).

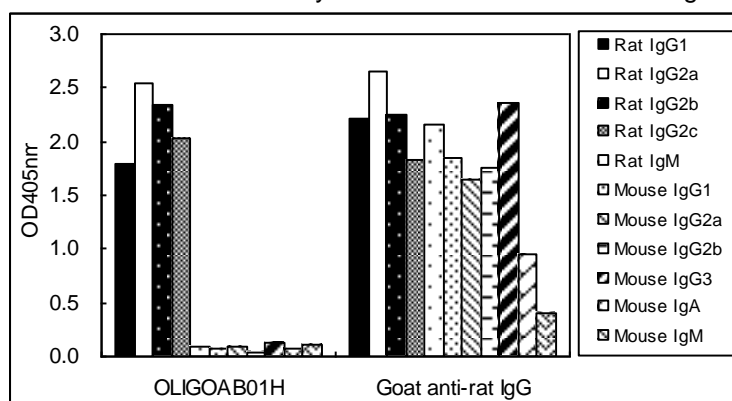


Figure 1. ELISA comparison of OLIGOAB01H with HRP conjugated goat anti-rat IgG. OLIGOAB01H only reacts to rat IgG whereas goat polyclonal antibody shows strong cross-reactions to murine IgG, IgM and rat IgM.

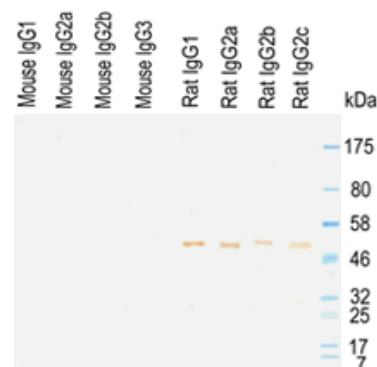


Figure 2. Western blotting result for murine and rat IgG. OLIGOAB01H recognizes all rat IgG but not murine IgG.

<b>Suggested working concentrations</b>	ELISA: 1/2000 Western blotting: 1/1000 - 1/10000
	Optimal concentrations should be determined by the end user
<b>Preparation</b>	IgG is purified through a Protein A column and labelled with horseradish peroxidase
<b>Store</b>	4 °C for 1 month, -20 °C or -80°C in aliquots. Avoid repeated freeze/thaw cycles
<b>Safety information</b>	This product contains thimerosal which is hazardous