

Product data sheet

Product number	OLIGOAB02H
Antibody specificity	Rat IgG (heavy and light chains)
Clone number	A set of murine monoclonal antibodies
Immunogen	Rat IgG
Antibody form	Intact antibody labelled with horseradish peroxidase in PBS containing 0.01% thimerosal as a preservative
Cross-reactivity	React with light chains of other rat immunoglobulins. Not cross-react with IgG from mice, goat and human.
Applications	OLIGOAB02H 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 heavy and light chains. The advantage of OLIGOAB02H 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).

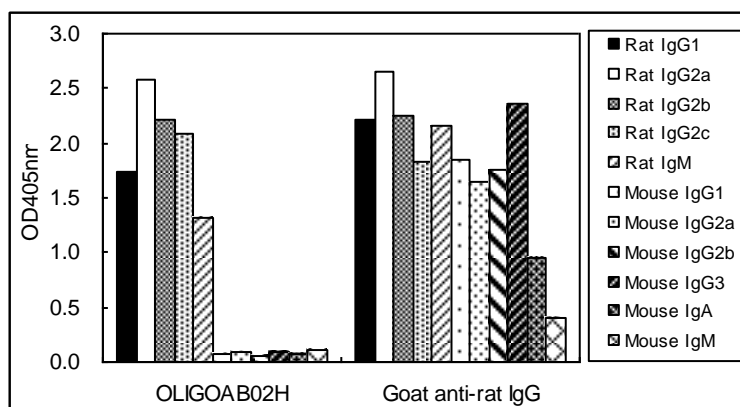


Figure 1. ELISA comparison of OLIGOAB02H with HRP conjugated goat anti-rat IgG. OLIGOAB02H does not but goat polyclonal antibody does cross-react with murine immunoglobulins

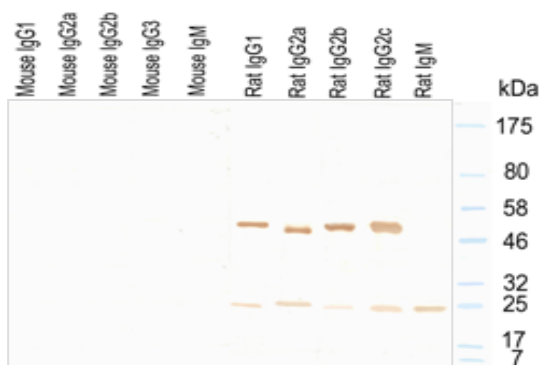


Figure 2. Western blotting result for murine IgG, rat IgG and rat IgM. OLIGOAB02H recognizes all rat IgG heavy and light chains and rat IgM light chain but not murine IgG and IgM.



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