

# Absea Product data sheet

<b>Product number</b>	031402D02H
<b>Antibody specificity</b>	Ig gamma-1 chain C region (rat IgG1)
<b>Species reactivity</b>	Rat
<b>UniProt</b>	P20759
<b>Clone number</b>	KT96
<b>Immunogen</b>	Rat IgG1
<b>Antibody isotype</b>	Mouse IgG1, kappa light chain
<b>Antibody form</b>	Intact antibody labelled with horseradish peroxidase
<b>Concentration</b>	1 mg/ml in PBS containing 0.01% thimerosal as a preservative
<b>Cross-reactivity</b>	Slightly cross-react with rat IgG2a, not cross-react with rat IgG2b, IgG2c and IgM
<b>Applications</b>	Detection antibody for ELISA, Western blotting and rat IgG isotyping  These are applications that have been tested. It does not mean that the antibody cannot be used for other applications

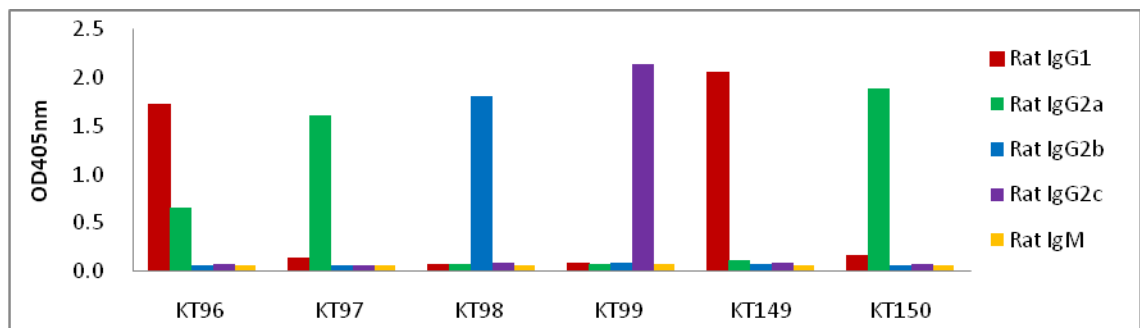


Figure 1. Rat immunoglobulin isotyping by ELISA using rat primary antibodies and HRP conjugated KT96, KT97, KT98, KT99, KT149 and KT150 as secondary antibodies

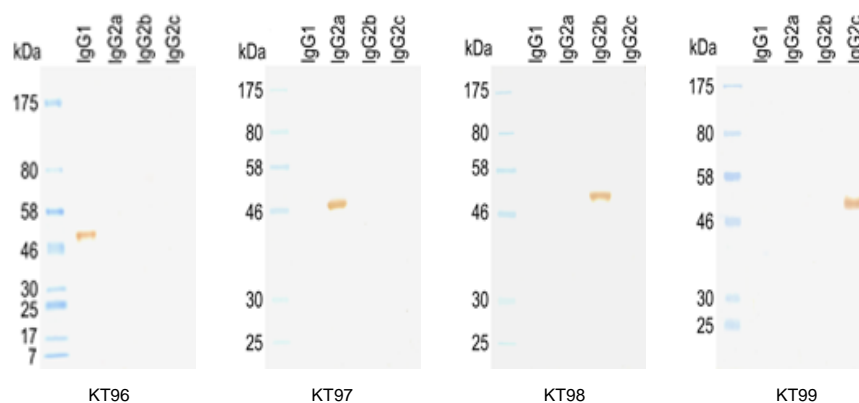


Figure 2. Western blotting to rat immunoglobulins under reducing condition detected by HRP conjugated KT96, KT97, KT98 and KT99

<b>Suggested working concentrations</b>	ELISA: 1/3000 – 1/5000 Western blotting: 1/500 – 1/5000  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