

## Anti-h PLA2R1 IgG4 control

### Product overview

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<b>Catalog number</b>	C-40-0051
<b>Description</b>	Recombinant anti-human Phospholipase A2 Receptor 1 (PLA2R1) IgG4, as calibration and/or control
<b>Product host</b>	HEK293 cells
<b>Product formulation</b>	Liquid
<b>Product buffer solution</b>	10 mM PBS, pH 7.4, 0.8 % NaCl, 0.02% KCl.
<b>Shelf life and storage</b>	3 years, storage at -70 °C or below. Repeated freeze/thaw cycles should be avoided.
<b>Analyte description</b>	<p>PLA2R1 (phospholipase A2 receptor 1) also called muscle (M-) type PLA2R or secretory (s) PLA2R is a 180-200 kDa type I transmembrane glycoprotein that is a member of subgroup VI of the C-type lectin superfamily. The 1487 amino acid (aa) mouse PLA2R1 contains a 26 aa signal sequence, a 1370 aa ECD, a 21 aa transmembrane sequence, and a 70 aa cytoplasmic domain with an endocytosis motif. It is reported that 70% -80% of patients with primary membranous nephropathy have circulating autoantibodies against PLA2R. PLA2R is mainly divided into two types (M type and N type), and it has been confirmed that M type PLA2R is the main target antigen of autoantibodies. Humanized anti-PLA2R1 antibody can be as calibration and/or control.</p>
<b>Product concentration</b>	N/A
<b>Purity</b>	SDS-PAGE
<b>Antigen tested</b>	C-40-0047 Recombinant PLA2R1 antigen
<b>Miscellaneous</b>	N/A

