



# Anti-Human IgG + IgM + IgA polyclonal antibody [HRP] (DPAB4111)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal goat antibody anti-human immunoglobulins IgG, IgM, IgA conjugated to horseradish peroxidase (HRP). Polyclonal goat antibody anti-human immunoglobulins IgG, IgM, IgA conjugated to horseradish peroxidase (HRP).
<b>Specificity</b>	The antibody reacts with human IgG, IgM and IgA. May also react with the light chains of other human immunoglobulins.
<b>Target</b>	Ig
<b>Immunogen</b>	Prepared from purified human IgG, IgM and IgA.
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Purified by immunoaffinity chromatography using antigen coupled to agarose beads.
<b>Conjugate</b>	HRP
<b>Applications</b>	ELISA, WB, IHC
<b>Format</b>	Lyophilized. Reconstitute vial with 2 mL of distilled water.
<b>Size</b>	1 ml
<b>Buffer</b>	Buffer is 0.01 M Sodium Phosphate, 0.25 M NaCl, pH 7.6 with 15 mg/mL BSA. Contains no preservative.
<b>Preservative</b>	None
<b>Storage</b>	Maintain lyophilized product at 2°-8°C for up to 12 months from date of receipt. After

reconstitution the product is stable for six weeks at 2°-8°C as an undiluted liquid. For extended storage after reconstitution, add an equal volume of glycerol to make a final concentration of 50% glycerol followed by storage at -20°C in undiluted aliquots for up to 12 months. Please note the concentration of antibody (and buffer salts) will decrease to one-half of the original after the addition of glycerol and final working dilutions must be adjusted accordingly. Avoid repeated freeze thaw cycles.

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## BACKGROUND

### Introduction

IgG is the most abundant immunoglobulin comprising two heavy chains and two light chains. Each molecule has two antigen binding sites. IgG has 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%). IgM constitutes about 10% of serum immunoglobulins. IgM (with IgD) is the major immunoglobulin expressed on the surface of B cells. Monomeric IgA constitutes 5-15% of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces.

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### Keywords

IgG;IgM;IgA;Immunoglobulin G;Immunoglobulin M;Immunoglobulin A;Goat;Human;Goat Anti-Human IgG, IgM, IgA Polyclonal Antibody, HRP-Conjugated;Goat Anti-Human IgG, IgM, IgA Antibody;Polyclonal, HRP-Conjugated;Goat Anti-Human IgG, IgM, IgA Polyclonal;Antibody, HRP-Conjugated;Goat Anti-Human IgG, IgM, IgA;Polyclonal Antibody, HRP-Conjugated;HRP-Conjugated;Goat Anti-Human Immunoglobulin G, Immunoglobulin M, Immunoglobulin A Antibody;Goat Anti-Human Immunoglobulin G, Immunoglobulin M, Immunoglobulin A Polyclonal;