



# Chicken Immunoglobulin G [AP] (DAG2455)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant E.coli Chicken Immunoglobulin G Protein, fused to Alkaline Phosphatase
<b>Species</b>	Chicken
<b>Conjugate</b>	AP
<b>Concentration</b>	Please see the vial label for concentration
<b>Size</b>	1 mg
<b>Buffer</b>	0.05M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	Immunoglobulin G (IgG) is an antibody isotype. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells.
<b>Keywords</b>	Ig gamma-2 chain C region antibody; immunoglobulin Gm2; immunoglobulin heavy constant gamma 2 (G2m marker); immunoglobulin heavy constant, gamma 2; IgG2; Immunoglobulin G2; IgG2γ; Immunoglobulin G2γ; IgG2 heavy chain, Immunoglobulin G2 heavy chain; IgG2γh