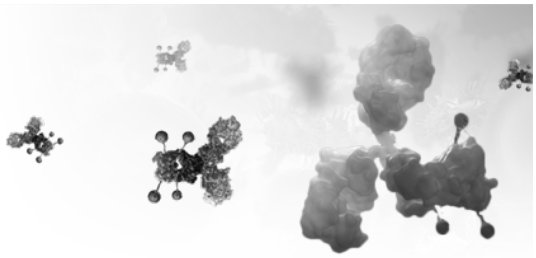

Anti-Human IgG polyclonal antibody [FITC] (DPAB-TJ097)

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

PRODUCT INFORMATION

Product Overview	Human IgG Polyclonal Secondary Antibody for IHC
Specificity	DPAB-TJ097 detects Human IgG in human samples.
Immunogen	Purified normal human IgG.
Isotype	IgY
Source/Host	Chicken
Species Reactivity	Human
Purification	purified
Conjugate	FITC
Applications	IHC
Format	Liquid
Concentration	2 mg/ml
Size	500 µg
Buffer	PBS with 50% glycerol
Preservative	0.05% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

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Introduction	Immunoglobulin G (IgG) are antibody molecules. Each IgG is composed of four peptide chains - two heavy chains γ and two light chains. Each IgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. IgG molecules are synthesized and secreted by plasma B cells. IgG antibodies are large molecules of about 150 kDa composed of 4 peptide chains. It contains 2 identical heavy chains of about 50 kDa and 2 identical light chains of about 25 kDa, thus a tetrameric quaternary structure. The two heavy chains are linked to each other and to a light chain each by disulfide bonds. The resulting tetramer has two identical halves, which together form the Y-like shape. Each end of the fork contains an identical antigen binding site. The Fc regions of IgGs bear a highly conserved N-glycosylation site. The N-glycans attached to this site are predominantly core-fucosylated diantennary structures of the complex type. In addition, small amounts of these N-glycans also bear bisecting GlcNAc and α-2,6-linked sialic acid residues.
Keywords	Ig gamma 1 chain C region; IGHG1; Immunoglobin heavy constant gamma 1; Immunoglobulin G; IgG; IgG heavy chain; Immunoglobulin G heavy chain

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