



Anti-Human IgG Fd polyclonal antibody (DPAB1250SH)

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

PRODUCT INFORMATION

Product Overview	Sheep Antibody to Human Immunoglobulin G (IgG), Fd specific
Specificity	Has been shown to be specific by gel diffusion techniques. The cross-reactivity of this product against the sera of the species listed below has been assessed by double diffusion, using 10ul of antisera against 1ul of species sera. These results are intended as a guideline only. It is possible that cross-reactivity against species listed as negative below may be observed when using different test conditions or techniques. Bovine - Cat - Chicken - Dog - Goat - G. Pig + Horse - Human + Mouse - Pig - Rabbit - Rat -
Immunogen	Human IgG (Fd): Purified from pooled human serum
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	Suitable for use in a variety of gel techniques including radial immunodiffusion (RID), double diffusion and immunoelectrophoresis (IEP). The use of 3% PEG 6000 with 1.2% agarose in a suitable buffer (such as TBE or Tris-barbital pH >8.2) is recommended. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	12.08mg/ml (OD280nm E1% = 14.5)
Size	1 ml
Buffer	Glycine buffered saline, pH 7.4

Preservative	0.099% Sodium Azide
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Storage	Store at 2–8°C. Slight precipitation can occur on storage which may be removed by centrifugation, and should not affect performance characteristics.
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BACKGROUND

Introduction	Protein A is a surface protein of <i>S. aureus</i> which binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface which hinders opsonization and phagocytosis. Mutants of <i>S. aureus</i> lacking protein A are more efficiently phagocytosed in vitro, and mutants in infection models have diminished virulence. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology.
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Keywords	Immunoglobulin G; Ig gamma 1 chain C region; IGHG1; Immunoglobulin heavy constant gamma 1; Immunoglobulin G.; IgG
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