RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Sheep Anti Human IgG (Fd)

Catalog No.	**Species**
MD-12-0031	Human

Preparation

Host Animal: Sheep
Immunogen/Preparation: Human IgG (Fd): Purified from pooled human serum

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	-

Formulation

Format: Purified, Liquid
Concentration: 12.1mg/ml (OD280nm $E^{1\%}$ = 14.5)
Buffer: Glycine buffered saline, pH 7.4
Preservative: 0.1% Sodium azide, 0.1% EACA, 0.01% Benzamidine, and 1mM Ethylenediaminetetraacetic acid

Storage

Store at 2-8°C. Slight precipitation can occur on storage which may be removed by centrifugation, and should not affect performance characteristics.
Centrifuge before opening to ensure complete recovery of vial contents.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.

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Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Radial Immunodiffusion (RID)	.			10ul antiserum/cm2 in gel vs 5ul human serum, 1:3 - 1:10
Double Diffusion	.			10ul antiserum vs 1ul human serum
Immunoelectrophoresis (IEP)	.			100ul antiserum vs 1ul human serum

Note: (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application
(2) 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.

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