

Antibodies and Animal Red Blood Cells

Glutaraldehyde Stabilized RBC's

Fresh Red Blood Cells

Red Blood Cell Antibodies

Glutaraldehyde Stabilized Red Blood Cells

Glutaraldehyde stabilized animal red blood cells are produced from freshly washed animal RBCs by brief exposure to a glutaraldehyde-buffer solution and exhaustive washing in saline. This treatment largely preserves the native antigenicity of the erythrocytes while rendering the cells generally resistant to lysis by osmotic shock, freeze-thawing or immune hemolysis. These reagents are used directly in hemagglutination procedures, or may be coupled with various proteins for hemagglutination testing. The glutaraldehyde stabilized RBCs are available as cell suspensions in saline with 0.1% sodium azide.

Tanned sheep red blood cell reagents are produced by coupling purified human serum proteins to glutaraldehyde stabilized sheep RBCs with tannic acid. The sensitized stabilized sheep RBCs are useful reagents in hemagglutination testing of antibodies and in the hemagglutination inhibition testing of other serum proteins. These reagents are supplied as cell suspensions in saline with 0.1% sodium azide.

Specificity	Size	Cat. #	Price \$ (USD)
Glutaraldehyde Stabilized Chicken RBCs (10%)	20 mL	CLD88	181
Glutaraldehyde Stabilized Guinea Pig RBCs (10%)	15 mL	CLD18	181
Glutaraldehyde Stabilized Mouse RBCs (1%)	5 x 2 mL	CLD38	181
Glutaraldehyde Stabilized Rabbit RBCs (10%)	20 mL	CLD48	181
Glutaraldehyde Stabilized Rat RBCs (1%)	5 x 2 mL	CLD58	181
Glutaraldehyde Stabilized Sheep RBCs (10%)	20 mL	CLD68	181
Glutaraldehyde Stabilized Bovine RBCs (10%)	20 mL	CLD78	181
Glutaraldehyde Stabilized Dog RBCs (10%)	10 mL	CLD98	181
Glutaraldehyde Stabilized Horse RBCs (10%)	20 mL	CLD108	181
Glutaraldehyde Stabilized Turkey RBCs (10%)	20 mL	CLD118	181
Glutaraldehyde Stabilized Cat RBCs (10%)	5 mL	CLD128	181
Glutaraldehyde Stabilized Goat RBCs (10%)	20 mL	CLD138	181
Glutaraldehyde Stabilized Hamster RBCs (10%)	5 mL	CLD148	181
Glutaraldehyde Stabilized Pig RBCs (10%)	20 mL	CLD168	181

Tanned Sheep Red Blood Cells

Specificity	Size	Cat. #	Price \$ (USD)
Glutaraldehyde Stabilized, Tanned Sheep RBCs (10%), Lyophilized	10 mL	CLD68LT	323
Human IgG Sensitized, Glutaraldehyde Stabilized Sheep RBCs (1%), Lyophilized	10 mL	CLD68LS-1	386
Human Albumin Sensitized, Glutaraldehyde Stabilized Sheep RBCs (1%), Lyophilized	10 mL	CLD68LS-2	386

Fresh Red Blood Cells in Alsever's

Washed, fresh red blood cells from sheep, rat, mouse, and guinea pig are available as stabilized 10% suspensions in Alsever's solution. The whole blood is aseptically collected and prepared to order from our colony of animals. These washed cell suspensions are useful for the titration of complement, adsorption procedures, testing for agglutinins, and for the preparation of stroma as particulate reagents.

Specificity	Size	Cat. #	Price \$ (USD)
Guinea Pig Red Blood Cell Suspension (10%)	25 mL	CLC1800	260
Mouse Red Blood Cell Suspension (10%)	10 mL	CLC3800	208
Rat Red Blood Cell Suspension (10%)	25 mL	CLC5800	233
Sheep Red Blood Cell Suspension (10%)	100 mL	CLC6800	344
Chicken Red Blood Cell Suspension (10%)	25 mL	CLC8800	354

Antibodies to Red Blood Cells

Anti-Red Blood Cell sera are high titer rabbit antisera prepared by immunization with washed intact red blood cells of the species listed. These antisera are useful in a variety of assays including hemagglutination and complement fixation, and to identify lymphocyte subsets. These antisera are supplied as frozen products containing 0.05% sodium azide.

IgG fractions of high titer antisera are purified by salt fractionation and ion exchange chromatography. The IgG fractions are tested against their immunogens, analyzed for immunoglobulin purity and protein concentration and sterile filtered. The IgG fractions are sold as sterile frozen products in phosphate buffered saline, pH 7.8.

IgM fractions of high titer antisera are purified by salt fractionation, ion exchange chromatography and gel filtration procedures. The IgM antibodies are tested against their immunogens, analyzed for immunoglobulin purity and protein concentration and sterile filtered. The IgM fractions are sold as sterile frozen products in phosphate buffered saline, pH 7.8.

Fluorochrome conjugated IgG products are prepared by the covalent coupling of Fluorescein or Texas Red to high titer IgG antibodies. The conjugates are purified to remove free fluorochrome, under-conjugated and over-conjugated antibodies. The fluorescent products are analyzed for their fluorochrome : protein ratios; they will exhibit bright fluorescence on the red blood cells of suitable species. The fluorochrome conjugated IgG products are sold as frozen reagents in phosphate buffered saline, pH 7.8 and contain 0.05% sodium azide.

Specificity	Format	Isotype	Species Reactivity	Size	Cat. #	Price \$ (USD)
Bovine Red Blood Cells	Antiserum	Rabbit serum	Bovine	2mL	CLA7840	168
	IgG Fraction	Rabbit IgG	Bovine	20mg	CLAG7840	229
	IgM Fraction	Rabbit IgM	Bovine	5mg	CLAM7840	417
	FITC	Rabbit IgG	Bovine	3mg	CLFAG7840	281
	Texas Red	Rabbit IgG	Bovine	3mg	CLRAG7840	428
Cat Red Blood Cells	Antiserum	Rabbit serum	Cat	2mL	CLA12840	168
	IgG Fraction	Rabbit IgG	Cat	20mg	CLAG12840	229
	IgM Fraction	Rabbit IgM	Cat	5mg	CLAM12840	417
	FITC	Rabbit IgG	Cat	3mg	CLFAG12840	281
	Texas Red	Rabbit IgG	Cat	3mg	CLRAG12840	428
Chicken Red Blood Cells	Antiserum	Rabbit serum	Chicken	2mL	CLA8840	168
	IgG Fraction	Rabbit IgG	Chicken	20mg	CLAG8840	229
	IgM Fraction	Rabbit IgM	Chicken	5mg	CLAM8840	417
	FITC	Rabbit IgG	Chicken	3mg	CLFAG8840	281
	Texas Red	Rabbit IgG	Chicken	3mg	CLRAG8840	428
Dog Red Blood Cells	Antiserum	Rabbit serum	Dog	2mL	CLA9840	168
	IgG Fraction	Rabbit IgG	Dog	20mg	CLAG9840	229
	IgM Fraction	Rabbit IgM	Dog	5mg	CLAM9840	417
	FITC	Rabbit IgG	Dog	3mg	CLFAG9840	281
	Texas Red	Rabbit IgG	Dog	3mg	CLRAG9840	428
Goat Red Blood Cells	Antiserum	Rabbit serum	Goat	2mL	CLA13840	168
	IgG Fraction	Rabbit IgG	Goat	20mg	CLAG13840	229
	IgM Fraction	Rabbit IgM	Goat	5mg	CLAM13840	417
	FITC	Rabbit IgG	Goat	3mg	CLFAG13840	281
	Texas Red	Rabbit IgG	Goat	3mg	CLRAG13840	428
Guinea Pig Red Blood Cells	Antiserum	Rabbit serum	Guinea Pig	2mL	CLA1840	168
	IgG Fraction	Rabbit IgG	Guinea Pig	20mg	CLAG1840	229
	IgM Fraction	Rabbit IgM	Guinea Pig	5mg	CLAM1840	417
	FITC	Rabbit IgG	Guinea Pig	3mg	CLFAG1840	281
	Texas Red	Rabbit IgG	Guinea Pig	3mg	CLRAG1840	428
Hamster Red Blood Cells	Antiserum	Rabbit serum	Hamster	2mL	CLA14840	168
	IgG Fraction	Rabbit IgG	Hamster	20mg	CLAG14840	229
	IgM Fraction	Rabbit IgM	Hamster	5mg	CLAM14840	417
	FITC	Rabbit IgG	Hamster	3mg	CLFAG14840	281
	Texas Red	Rabbit IgG	Hamster	3mg	CLRAG14840	428

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Specificity	Format	Isotype	Species Reactivity	Size	Cat. #	Price \$ (USD)
Horse Red Blood Cells	Antiserum	Rabbit serum	Horse	2mL	CLA10840	168
	IgG Fraction	Rabbit IgG	Horse	20mg	CLAG10840	229
	IgM Fraction	Rabbit IgM	Horse	5mg	CLAM10840	417
	FITC	Rabbit IgG	Horse	3mg	CLFAG10840	281
Human Red Blood Cells	Antiserum	Rabbit serum	Human	2mL	CLA2840	168
	IgG Fraction	Rabbit IgG	Human	20mg	CLAG2840	229
	IgM Fraction	Rabbit IgM	Human	5mg	CLAM2840	417
	FITC	Rabbit IgG	Human	3mg	CLFAG2840	281
	Texas Red	Rabbit IgG	Human	3mg	CLRAG2840	428
Human Glycophorin A (CD235a)	Purified	Rabbit IgG	Human	250 µg	CL8020AP	204
	FITC	Rabbit IgG	Human	100 µg	CL8020F	204
Human Glycophorin A (CD235a) (clone: YTH 89.1)	Purified	Rat IgG2b	Human	200 µg	CL7607AP	246
	Biotin	Rat IgG2b	Human	100 µg	CL7607B	169
	FITC	Rat IgG2b	Human	100 µg	CL7607F	180
	PE	Rat IgG2b	Human	50 µg	CL7607PE	144
	APC	Rat IgG2b	Human	100 µg	CL7607APC	283
Monkey Red Blood Cells	Antiserum	Rabbit serum	Monkey	2mL	CLA15840	168
	IgG Fraction	Rabbit IgG	Monkey	20mg	CLAG15840	229
	IgM Fraction	Rabbit IgM	Monkey	5mg	CLAM15840	417
	FITC	Rabbit IgG	Monkey	3mg	CLFAG15840	281
Mouse Red Blood Cells	Antiserum	Rabbit serum	Mouse	2mL	CLA3840	168
	IgG Fraction	Rabbit IgG	Mouse	20mg	CLAG3840	229
	IgM Fraction	Rabbit IgM	Mouse	5mg	CLAM3840	417
	FITC	Rabbit IgG	Mouse	3mg	CLFAG3840	280
	Texas Red	Rabbit IgG	Mouse	3mg	CLRAG3840	428
Mouse Erythroid Cells (Ly-76) (clone: TER-119)	Purified	Rat IgG2b	Mouse	250 µg	CL8926AP	141
	Biotin	Rat IgG2b	Mouse	100 µg	CL8926B	81
	FITC	Rat IgG2b	Mouse	100 µg	CL8926F	92
	PE	Rat IgG2b	Mouse	50 µg	CL8926PE	93
Rat Red Blood Cells	Antiserum	Guinea Pig serum	Rat	2mL	CLA5810	168
	IgG Fraction	Guinea Pig IgG	Rat	20mg	CLAG5810	229
	IgM Fraction	Guinea Pig IgM	Rat	5mg	CLAM5810	417
	FITC	Guinea Pig IgG	Rat	3mg	CLFAG5810	281
	Texas Red	Guinea Pig IgG	Rat	3mg	CLRAG5810	428
	Antiserum	Rabbit serum	Rat	2mL	CLA5840	168
	IgG Fraction	Rabbit IgG	Rat	20mg	CLAG5840	229
	IgM Fraction	Rabbit IgM	Rat	5mg	CLAM5840	417
	FITC	Rabbit IgG	Rat	3mg	CLFAG5840	280
Sheep Red Blood Cells	Antiserum	Rabbit serum	Sheep	2mL	CLA6840	168
	IgG Fraction	Rabbit IgG	Sheep	20mg	CLAG6840	229
	IgM Fraction	Rabbit IgM	Sheep	5mg	CLAM6840	417
	FITC	Rabbit IgG	Sheep	3mg	CLFAG6840	281
	Texas Red	Rabbit IgG	Sheep	3mg	CLRAG6840	428
Swine Red Blood Cells	Antiserum	Rabbit serum	Swine	2mL	CLA16840	168
	IgG Fraction	Rabbit IgG	Swine	20mg	CLAG16840	229
	IgM Fraction	Rabbit IgM	Swine	5mg	CLAM16840	417
	FITC	Rabbit IgG	Swine	3mg	CLFAG16840	280
Turkey Red Blood Cells	Antiserum	Rabbit serum	Turkey	2mL	CLA11840	168
	IgG Fraction	Rabbit IgG	Turkey	20mg	CLAG11840	229
	IgM Fraction	Rabbit IgM	Turkey	5mg	CLAM11840	417
	FITC	Rabbit IgG	Turkey	3mg	CLFAG11840	281

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