

## RecombiVirus™ ELISA for the detect of various laboratory animal diseases

Laboratory animals, just like humans, are susceptible to various bacterial and viral infections. Therefore, lab animals are routinely tested for diseases using immunoassays or PCR based tests. ELISA, when available, is the method of choice as IFA (immunofluorescence assay) and HAI (hemeagglutinin immunoassay) are not only cumbersome, less sensitive, more expensive but not suitable for a large number of samples. Conventional ELISAs (1<sup>st</sup> generation) were developed using crude viral/host cell proteins. **RecombiVirus™ ELISAs** are 2<sup>nd</sup> generation immunoassays using highly purified, **recombinant** antigenic proteins of animal viruses. RecombiVirus™ ELISA kits are superior for enhanced sensitivity, specificity, quantitative IgG/IgM determination, smaller sample size, and safety. **Recombinant ELISA kits have no viral proteins or inactivated virus to avoid the risk of bringing contamination into the labs and/or spread infection.** ADI is the first company to commercially develop 2nd generation RecombiVirus™ ELISA kits for the detection of antibodies to various laboratory animal diseases. Highly purified recombinant proteins, antibodies (poly or mono) and appropriate negative and positive controls are also available to promote research.

### List of RecombiVirus ELISA kits available from ADI

Disease	Mouse	Rat	Rabbit	G. Pig	Hamster
<b>Animal Diseases</b>					
Hantavirus	AE-310600	AE-310610			
Lymphocytic choriomeningitis virus (LCMV)	AE-300200			AE-300230	AE-300220
Mouse Adenovirus	AE-327100	AE-327110			
Mouse Cytomegalovirus (MCMV/MuHV-1)	AE-300500	AE-300500		AE-300520	
Mouse Epizootic Diarrhea of Infant mice (EDIM)/Rotavirus	AE-300400	AE-300410	AE-300420		
Mouse Hepatitis virus (MHV)	AE-300700	AE-300710			
Mouse Norovirus (MNV1)	AE-300300				
Mouse Parvovirus (MPV)	AE-300500	AE-300510		AE-300520	
Mouse Pneumonia virus (PVM)	AE-310400	AE-310410			
Mouse polyomavirus K Virus (Pneumotropic virus)	AE-300100				
Mousepox/variola/Ectromelia virus (ECT)	AE-311100	AE-311110	AE-311120		
Mycoplasma Pulmonis (Mp)	AE-310500	AE-310510		AE-310520-1	
Pasteurella multocida	AE-310820	AE-310820	AE-310800		
Reovirus (Reo-3/REOV)	AE-310700	AE-310710			
Sendai virus (Sev)/Para influenza virus type 1	AE-300600	AE-300610		AE-300620	AE-300630
Sialodacryoadenitis/Rat coronavirus (SDA/RCV)	AE-310310				
Theiler's murine encephalomyelitis virus (TMEV)	AE-300000	AE-300010			
Toolan's H1 parvovirus (THV)	AE-310210				
Treponema Pallidum (Syphilis)			AE-310210		
<b>Autoimmune Diseases</b>					
Anti-dsDNA (SLE/Autoimmune disease)	5120	650-130-DDN			
Anti-Insulin (Diabetes)	3700-MIG	3750-RIG			
Anti-Nuclear Antigens (ANA/ENA)	5210	650-230-ANA			

### ELISA kits for the measurement of serum Ig's and major serum protein.

Proteins	Mou se	Rat	G. Pig	Pig	Monkey	Cow	Chicken	Rabbit	Human	Dog	Cat	Horse
CRP	1040	1010		1090	1050	1055		1030	1000	1020	1060	1070
Haptoglobin	6250	6250-30		6250-40	6250-70	6250-60			6250-80	6250-10	6250-50	6250-20
Albumin	6300	6400		9000		8000 & 8100	6010 (Ova)		1190 1200	7000-50		
Transferrin	6390	6390-20				8070	6390-40	6390-30	1210	400-195- DGT		
IgA	6310	6410-10		9010	7010			6510	1780	400-180- DGA	300-180- CGA	
IgG*	6320	6420	7420	9020	7050	8010	6020	6520	1750	400-100- DGG	300-100- CGG	
IgG1	6330	6430							1710			
IgG2a	6340	6440										
IgG2b	6350											
IgG3	6360											
IgE	6370				7070				1800	400-190- DGE	300-190- CGE	
IgM	6380	6480	7480	9080	7060	8080	6040	6580	1760	400-170- DGM	300-170- CGM	