

✓ Fast and sensitive ELISA for reliable, consistent results

Highly sensitive 90 minute sandwich and competitive ELISAs, with just one wash step and no compromise on performance

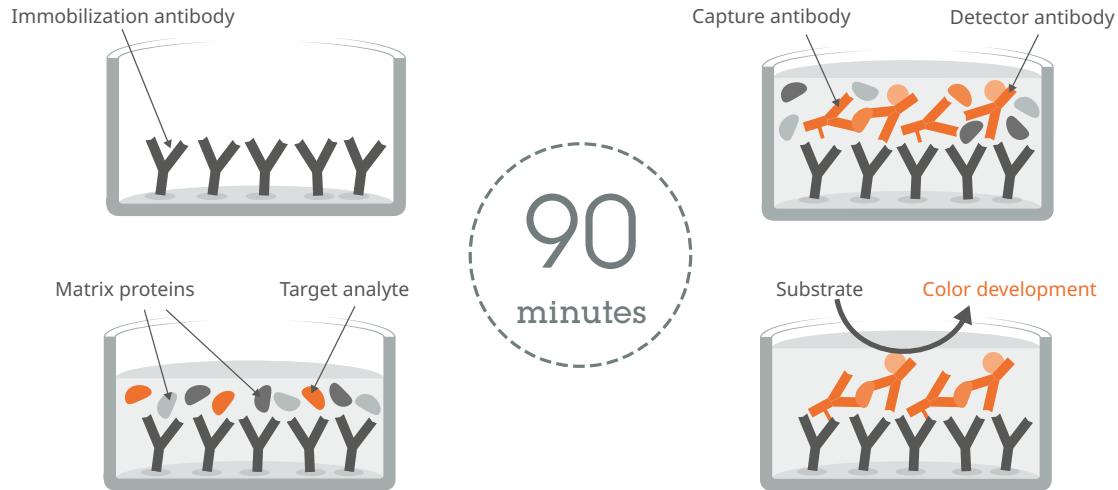


Figure 1. In SimpleStep ELISA kits, an analyte/capture and detector antibody sandwich complex is formed in solution and binds to the microplate via an affinity tag attached to the 'capture' antibody in the sandwich pair.

Benefits of SimpleStep ELISA® kits

- ✓ Single-wash, easy protocol reduces assay time to 90 minutes or less
- ✓ High sensitivity, specificity, and reproducibility from superior antibodies
- ✓ Fully validated in biological samples
- ✓ 96-wells plate breakable into 12 x 8-wells strip
- ✓ 384-well format available, designed for use with automated liquid handling systems
- ✓ 10-pack sizes now available
- ✓ Detect small molecules with confidence

Excellent sensitivity in complex biological samples

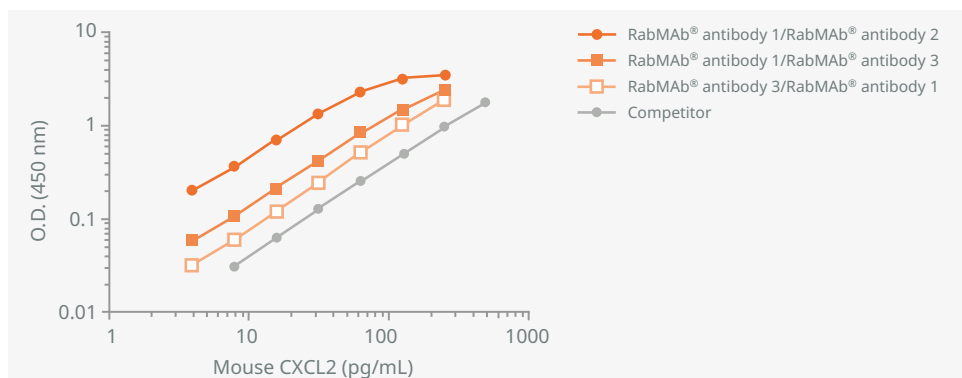


Figure 2. Antibodies are selected for optimal performance in ELISA. In this example, three of Abcam's RabMAb® antibody pairs against the mouse chemokine CXCL2/MIP-2 alpha show superior sensitivity to a competitor's standard ELISA. High sensitivity is an important factor for this chemokine since CXCL2 levels are typically less than 20 pg in undiluted mouse serum.

Improved sensitivity

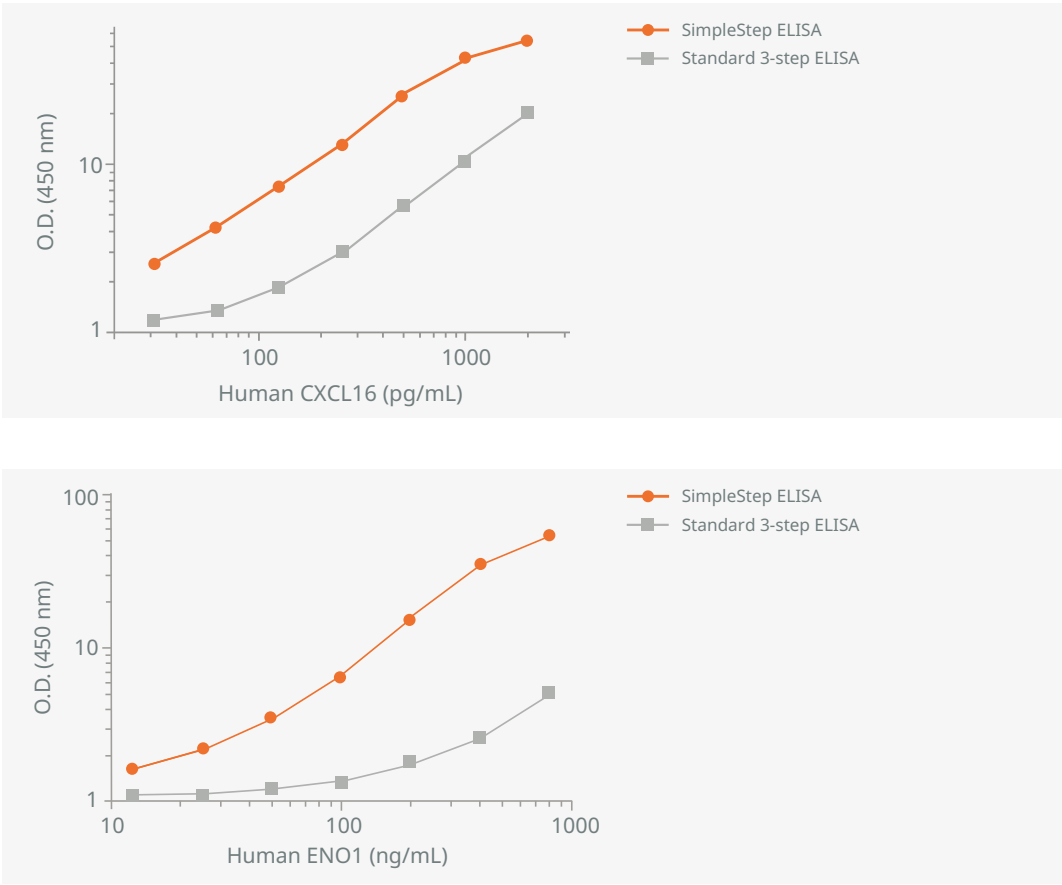


Figure 3. Sensitivity and range were compared for two antibody pairs in a SimpleStep ELISA versus a conventional multiple-step sandwich ELISA format.

Popular SimpleStep ELISA® kits on specific areas

Common Use

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
Alanine Transaminase	ab234578	Human	✓		✓
	ab282882	Mouse	✓	✓	✓
	ab234579	Rat	✓		
Albumin	ab227933	Human	✓		✓
	ab207620	Mouse	✓		✓
	ab235642	Rat	✓	✓	
GFP	ab171581	N.A.	✓	✓	✓
HIV1 p24	ab218268	Human	✓		
IgG	ab195215	Human	✓		
	ab189578	Rat	✓	✓	✓
IL-6	ab178013	Human	✓	✓	✓
	ab242233	CynMk, Monkey, RMk	✓	✓	✓
	ab222503	Mouse	✓	✓	✓

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
mCherry	ab234570	Rat	✓		
	ab221829	N.A.	✓		
Prealbumin	ab231920	Human	✓		✓
	ab282297	Mouse	✓		✓
TNF alpha	ab181421	Human	✓	✓	✓
	ab252354	Monkey	✓		
	ab208348	Mouse	✓		
	ab236712	Rat	✓	✓	

Immunology, Cell and gene therapy

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
Complement C5	ab264609	Mouse	✓		
GM-CSF	ab174448	Human	✓	✓	
	ab201276	Mouse	✓		
	ab236709	Rat	✓		
HIV1 p24	ab218268	Human	✓		
IL-1 beta	ab214025	Human	✓	✓	
	ab242234	CynMk, Monkey, RMk	✓		
	ab197742	Mouse	✓		
	ab255730	Rat	✓		
IL-18	ab215539	Human	✓		
	ab316257	Monkey	✓		
	ab216165	Mouse	✓		
IL-1RA	ab211650	Human	✓		
	ab238258	Mouse	✓		
	ab282875	Rat	✓		
IL-2	ab270883	Human	✓	✓	✓
	ab283555	Monkey	✓		
	ab221834	Rat	✓	✓	✓
IL-6	ab178013	Human	✓	✓	✓
	ab242233	CynMk, Monkey, RMk	✓	✓	✓
	ab222503	Mouse	✓	✓	✓
	ab234570	Rat	✓		
IL-7	ab270218	Human	✓	✓	
	ab227902	Mouse	✓		
IL-8	ab214030	Human	✓	✓	✓
	ab242232	CynMk, Monkey, RMk	✓		
IL-10	ab185986	Human	✓		✓
	ab255729	Mouse	✓		
	ab214566	Rat	✓		
IL-15	ab218266	Human	✓		
	ab275898	Mouse	✓		
	ab283554	Rat	✓		
Interferon gamma	ab236895	Human	✓		

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
	ab174443	Human	✓		✓
	ab270895	Monkey	✓		
	ab282874	Mouse	✓		
	ab239425	Rat	✓		
MCP1	ab179886	Human	✓		✓
	ab242231	CynMk, Monkey, RMk	✓		
	ab208979	Mouse	✓	✓	✓
	ab219045	Rat	✓		
MMP1	ab215083	Human	✓		
TNF alpha	ab181421	Human	✓	✓	✓
	ab208348	Mouse	✓		
	ab236712	Rat	✓	✓	
TREM1	ab270884	Human	✓		

Neurosciences

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
ACTH	ab267814	Human	✓		
	ab263880	Mouse, Rat	✓	✓	
Alpha-synuclein	ab260052	Human	✓		
	ab282865	Mouse	✓		
Angiogenin	ab219629	Human	✓		
	ab208349	Mouse	✓		
BDNF	ab212166	Human	✓		
Clusterin	ab174447	Human	✓		
	ab199079	Mouse	✓		
	ab231934	Rat	✓		
Cystatin C	ab316892	Human	✓		
	ab201280	Mouse	✓		
	ab201281	Rat	✓		
GFAP	ab288175	Human	✓		
	ab233621	Mouse	✓		
Prealbumin	ab231920	Human	✓		✓
	ab282297	Mouse	✓		✓

Immunology-Oncology & Oncology

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
alpha smooth muscle Actin	ab240678	Human	✓	✓	✓
Collagen I	ab210966	Human	✓		
	ab210579	Mouse	✓		✓
Elastin	ab239433	Human	✓		✓
Fibronectin	ab219046	Human, RMk	✓		
	ab210967	Mouse	✓	✓	✓
IDO	ab245710	Human	✓	✓	✓

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
MMP1	ab215083	Human	✓		
p53	ab171571	Human	✓		
	ab224878	Mouse	✓		
PD-L1	ab277712	Human	✓		
	ab279408	Monkey	✓		
Prostate Specific Antigen	ab264615	Human	✓	✓	✓
VEGFA	ab222510	Human	✓		
	ab209882	Mouse	✓		

Metabolism

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
Alanine Transaminase	ab234578	Human	✓		✓
	ab282882	Mouse	✓	✓	✓
	ab234579	Rat	✓		
Apolipoprotein A I	ab189576	Human	✓	✓	
	ab190806	Mouse	✓		
Apolipoprotein B	ab190806	Human	✓		
	ab230932	Mouse	✓	✓	✓
Aspartate Aminotransferase	ab263881	Human	✓		
	ab263882	Mouse	✓		
	ab263883	Rat	✓		
FGF21	ab222506	Human	✓	✓	
	ab212160	Mouse	✓		
	ab223589	Rat	✓		
Frataxin	ab176112	Human	✓		✓
	ab201121	Human		✓	
	ab199078	Mouse	✓	✓	✓
GLP1 (7-36)	ab184857	Human	✓		
Growth Hormone	ab190811	Human	✓	✓	
Insulin	ab278123	Human	✓		
PCSK9	ab209884	Human	✓		
	ab215538	Mouse	✓		

Epigenetics

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
EIF2S1	ab278122	Human	✓		
	ab282296	Human	✓		
eIF4E	ab214564	Human	✓		
	ab277087	Human	✓		
HDAC1	ab304944	Human, Mouse, Rat	✓		
HDAC4	ab300311	Human	✓		

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
HIF-1 alpha	ab300316	Mouse	✓		
	ab171577	Human	✓		
	ab275103	Mouse	✓		
KLF4	ab246527	Human	✓		
	ab287177	Mouse	✓		
Oct4	ab235653	Human, Mouse	✓		
SIRT1	ab171573	Human	✓		
	ab206983	Mouse	✓		
SIRT2	ab227895	Human	✓		
Smad1	ab186037	Human, Mouse	✓		

RNA therapeutics (including mRNA therapeutics, mRNA vaccine, oligonucleotide drug RNAi and ASO, etc)

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
Angiotensinogen	ab287170	Human	✓		
	ab245718	Mouse	✓		
	ab288178	Rat	✓		
CCL5	ab174446	Human	✓		
Complement C3	ab263884	Mouse	✓		
Complement C5	ab264609	Mouse	✓		
Complement Factor B (Ba fragment)	ab315062	Human	✓		
GFP	ab171581	N.A.	✓	✓	✓
IgM	ab214568	Human	✓	✓	✓
	ab215085	Mouse, Rat	✓		
LDLR	ab270212	Human	✓		
Lipoprotein A	ab212165	Human	✓		
PCSK9	ab209884	Human	✓		
	ab215538	Mouse	✓		
Prealbumin	ab231920	Human	✓		✓
	ab282297	Human	✓		✓

Phosphoproteins

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
AKT 1/2/3 (pS473)	ab176635	Mouse, Human	✓		
	ab253299	Mouse, Human	✓		
ERK1/2 (pT202/Y204)	ab176640	Mouse, Human	✓		
ERK1/2 (pT202+pY204/pT185+pY187)	ab176660	Mouse, Human	✓		
JNK 1/2 (pT183/Y185)	ab176645	Mouse, Human	✓		
	ab176662	Mouse, Human	✓		
NF-kB p65 (pS536)	ab176647	Mouse, Human	✓		
	ab176663	Mouse, Human	✓		

Target	Ab ID	Reacts with	1x96 tests	10x96 tests	1x384 tests
p38 alpha/MAPK14 (pT180/Y182)	ab221011	Mouse, Human	✓		
	ab221013	Mouse, Human	✓		
Smad1 (pS463/465)	ab186036	Mouse, Human	✓		
	ab186035	Mouse, Human	✓		
SMAD3 (pS423/S425)	ab186038	Mouse, Human	✓		
STAT3 (pY705)	ab176654	Human	✓		
	ab176666	Human	✓		
STAT5a+STAT5b (pY694/699)	ab176656	Human	✓		
	ab205715	Human	✓		

- CynMk - Cynomolgus monkey
- RMk - Rhesus monkey

SimpleStep ELISA® kits



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our SimpleStep ELISA® kits

Matched antibody pairs



Want to create your own ELISA?
Try our matched antibody pairs.
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