

Materials List for:

Detection of Disease-associated α -synuclein by Enhanced ELISA in the Brain of Transgenic Mice Overexpressing Human A53T Mutated α -synuclein

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Materials

Name	Company	Catalog Number	Comments
LB509	Abcam	ab27766	Detection antibody 1/2,000
AS11	Produced at Anses		Detection antibody 1/1,000
4D6	Abcam	ab1903	Detection antibody 1/2,000
PSer129	Abcam	ab59264	Detection antibody 1/3,000
PSer129 EP1536Y	Abcam	ab51253	Detection antibody 1/1,000
syn514	Abcam	ab24717	Detection antibody 1/500
clone 42	BD Biosciences	610787	Coating and detection antibody (1/2,000)
8A5	Provided by Dr. Anderson		Detection antibody 1/2,000
polyclonal anti- α syn antibody	Millipore	AB5038P	Coating antibody
Anti-mouse IgG HRP conjugate	Southern Biotech	1010-05	
Anti-rabbit IgG HRP conjugate	Southern Biotech	4010-05	
Goat anti-mouse IgG HRP conjugate	Dianova	115-035-164	
HS buffer			Adjust at pH 7.5 and keep at 4 °C
• Tris-HCl 50 mM	Euromedex	26-128-3094-B	
• NaCl 750 mM	Euromedex	1112-A	
• EDTA 5 mM	Euromedex	EU0007-B	
• DTT 1 mM	Sigma	43815	
PBS			Adjust at pH 7.5
• Na ₂ HPO ₄ 1 mM	Euromedex	1309	
• KH ₂ PO ₄ 1.5 mM	Euromedex	2018	
• NaCl 137 mM	Euromedex	1112-A	
• KCl 2.7 mM	Euromedex	P017	
Tween 20	Euromedex	2001-C	
BSA	Sigma	A7906	

DTT 1 mM	Sigma	43815	Stock solution 100 mM, toxic
1% phosphatase cocktail	Pierce	78428	
1% protease inhibitor cocktail	Roche	04 693 132 001	50x concentrated
Microplate MaxiSorp™	Thermo Scientific	442404	
Tampon carbonate 50 mM pH 9.6			
• Na ₂ CO ₃ , 10H ₂ O	Sigma	71360	2.86 g/L
• NaHCO ₃	Merk	6329	3.36 g/L, pH 9.6
Superblock T20 PBS blocking buffer	Pierce	E6423H	10x concentrated
TMB	Sigma	T0440	Used for ELISA
TMB	Analytik Jena AG	847-0104200302	Used for epitope mapping
HCl 1 N	Chimie plus	40030	
Ribolyser	Thermo	Fast prep FP120	keep on ice at this step
Grinding tubes	Biorad	355-1197	
Plate washer	Tecan	Columbus Pro	
Plate reader	Biorad	Model 680	
Low power magnifier	VWR	630-1062	8X magnification
Forceps Dumont#7	WPI	14097	For dissection steps
Transfer pipette 1ml Samsø	Samsø	043231	
1.5 ml tubes	Dutscher	033290	