

Certificate of Analysis

Caution: Research use only.

AlphaLISA[®] SureFire[®] Ultra[™] Assay Kit p-STAT4 (Tyr693)

PRODUCT NUMBER:	ALSU-PST4-A 10K
LOT NUMBER:	U4538
MANUFACTURING DATE:	June 19, 2019

MATERIAL PROVIDED

CONTENTS: Reaction Buffer 1 -Ultra, Reaction Buffer 2 -Ultra, Activation Buffer C -Ultra, Lysis Buffer (5X)-Ultra, Dilution Buffer-Ultra, AlphaLISA[®] CaptSure[™] Acceptor Beads 2mg/mL, Alpha Streptavidin Donor Beads 2mg/mL, Positive Control lysate.

STORAGE: Store all Buffers at 4°C.

Activation Buffer precipitates at 4°C. To re-dissolve, warm to 37°C and mix before use. Alternatively, store at room temperature with no loss in activity.

Store Positive Control Lysate at -20°C. Once reconstituted, the lysate will be stable for at least 1 month when stored at -20°C in single use aliquots.

Donor beads are used under low light conditions and should be stored in the box at 4°C. Vortex Acceptor and Donor Beads vigorously prior to taking samples for use.

KIT STABILITY: Stable for at least **12** months from the manufacturing date when stored in its original packaging and recommended storage conditions. This product will have a minimum of 3 months expiry from date of delivery. See kit box label for expiry date.

CONTROL LYSATES

EXPECTED SIGNAL: Reconstituted control lysate diluted to **25.00** % should give a signal window over buffer alone of at least **15** - fold.

The control lysate signal window can be influenced by lysate solubility, differing lab conditions, reader settings and reader performance.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

For more information regarding related SureFire Ultra products and protocols PerkinElmer web site: <http://www.perkinelmer.com>

This product is not for resale or distribution except by authorized distributors.

LIMITED WARRANTY: TGR BioSciences warrants that, at the time of shipment, the products sold by it are free from defects in material and workmanship and conform to specifications which accompany the product. TGR BioSciences makes no other warranty, express or implied with respect to the products, including any warranty of merchantability or fitness for any particular purpose, or non-infringement of third party rights. Notification of any alleged breach of warranty must be made in writing within 60 days of receipt. No claim shall be honoured if the customer fails to notify TGR BioSciences within the period specified. The sole and exclusive remedy of the customer for any liability of TGR BioSciences of any kind including liability based upon warranty (express or implied whether contained herein or elsewhere), strict liability, contract or otherwise is limited to the replacement of the goods or the refunds of the invoice price of goods. TGR BioSciences shall not in any case be liable for special, incidental or consequential damages of any kind.

Worldwide Headquarters:
PerkinElmer, Inc.

940 Winter Street, Waltham, MA 02451 USA
Phone: (800) 762-4000 or (+1) 203-925-4602

Or locate your local sales office at www.perkinelmer.com

Please visit www.perkinelmer.com/Tools/COASearch

for Certificates of Analysis (and Technical Data)



Product Code

ALSU-AASYN-A
ALSU-ACP53-A
ALSU-P4EBP-A
ALSU-PACC-A
ALSU-PAKT-A
ALSU-PAKT-B
ALSU-PAKT1-C
ALSU-PALK-A
ALSU-PALK-B
ALSU-PAMPK-A
ALSU-PASYN-A
ALSU-PBTK-A
ALSU-PBTK-B
ALSU-PCHK1-A
ALSU-PCMET-A
ALSU-PCOF-A
ALSU-PCREB-A
ALSU-PPDGF-A
ALSU-PEB2-A
ALSU-PEGFR-A
ALSU-PEGFR-B
ALSU-PEIF2-A
ALSU-PEIF2-B
ALSU-PEIF4-A
ALSU-PERK-A
ALSU-PGS3B-A
ALSU-PIGFR-A
ALSU-PIGFR-B
ALSU-PIKKA-A
ALSU-PINR-A
ALSU-PINR-B
ALSU-PJNK-A
ALSU-PLCK-A
ALSU-PLRRK2-A
ALSU-PMEK1-A
ALSU-PMKK4-A
ALSU-PMTOR-A
ALSU-PMTOR-B
ALSU-PMTOR-C
ALSU-PNFKB-A
ALSU-PP38-A
ALSU-PP38-B
ALSU-PP53-A
ALSU-PP70-A
ALSU-PPD1-A
ALSU-PPKC-A
ALSU-PRB-A

ALSU-PRB-B

ALSU-PS6R-A
ALSU-PSHP1-A
ALSU-PSHP1-B
ALSU-PSHP2-A
ALSU-PSHP2-B
ALSU-PSLP-A
ALSU-PSM1-A
ALSU-PSM2-A
ALSU-PSM3-A
ALSU-PSRC-A
ALSU-PST1-A
ALSU-PST1-B
ALSU-PST3-A
ALSU-PST4-A
ALSU-PST5-A
ALSU-PST5-B
ALSU-PST6-A
ALSU-PSYK-A
ALSU-PSYK-B
ALSU-PTRKAB-A
ALSU-PVGFR-A
ALSU-PVGFR-B
ALSU-PVGFR-C
ALSU-PZAP-A
ALSU-TAKT1-A
ALSU-TAKT-B
ALSU-TALK-A
ALSU-TAMPK-A
ALSU-TASYN-A
ALSU-TBTK-A
ALSU-TCHK1-A
ALSU-TCOF-A
ALSU-TCREB-A
ALSU-TEGFR-A
ALSU-TEB2-A
ALSU-TEIF2-A
ALSU-TERK-A
ALSU-TGAPD-A
ALSU-TGAPD-B
ALSU-TIGFR-A
ALSU-TINR-A
ALSU-TLCK-A
ALSU-TMEK1-A
ALSU-TMKK4-A
ALSU-TMTOR-A
ALSU-TMTOR-B
ALSU-TNFKB-A

ALSU-TP38-B
ALSU-TP38-A
ALSU-TP53-A
ALSU-TP70-A
ALSU-TPD1-A
ALSU-TPDGF-A
ALSU-TRAF-A
ALSU-TRAS-A
ALSU-TRB-A
ALSU-TSHP1-A
ALSU-TSHP2-A
ALSU-TSLP-A
ALSU-TSM1-A
ALSU-TSM2-A
ALSU-TSM3-A
ALSU-TST3-A
ALSU-TST4-A
ALSU-TST5-A
ALSU-TST6-A
ALSU-TSYK-A
ALSU-TVGFR-A
ALSU-TZAP-A

Assay Name	Size
alpha-Synuclein Aggregate Specific	10K
Acetylated p53 (Lys382)	500
p-4E-BP1 (Thr37/46)	50K
p-ACC (Ser79)	-HV
p-AKT1/2/3 (Thr308)	
p-AKT1/2/3 (Ser473)	
p-AKT1 (Ser473)	
p-ALK (Tyr1586)	
p-ALK (Tyr1604)	
p-AMPK alpha 1/2 (Thr172)	
p-alpha-Synuclein (Ser129)	
p-Btk (Tyr223)	
p-Btk (Tyr551)	
p-CHK1 (Ser345)	
p-c-Met (Tyr1234/1235)	
p-Cofilin (Ser3)	
p-CREB (Ser133)	
p-PDGFR Receptor β (Tyr751)	
p-ErbB2 (Tyr1221/1222)	
p-EGF Receptor (Tyr1068)	
p-EGF Receptor (Tyr1068)	
p-eIF2 alpha (Ser51)	
p-eIF2a (Ser51)	
p-eIF4E (Ser209)	
p-ERK1/2 (Thr202/Tyr204)	
p-GSK3 beta (Ser9)	
p-IGF-1 Receptor beta (Tyr1135/1136)	
p-IGF-1 Receptor beta (Tyr1135/1136)	
p-IKK alpha (Ser176/180)	
p-Insulin Receptor beta (Tyr1150/1151)	
p-Insulin Receptor beta (Tyr1150/1151)	
p-JNK1/2/3 (Thr183/Tyr185)	
p-Lck (Tyr505)	
p-LRRK2 (Ser935)	
p-MEK1(Ser218/222)	
p-MKK4 (Ser257)	
p-mTOR (Ser2448)	
p-mTOR (Ser2481)	
p-mTOR (Ser2448)	
p-NF-kappa B p65 (Ser536)	
p-p38 MAPK (Thr180/Tyr182)	
p-p38 MAPK (Thr180/Tyr182)	
p-p53 (Ser15)	
p-p70S6K (Thr389)	
p-PD-1 (pan-Tyr)	
p-PKC theta (Thr538)	
p-Rb (Ser807/811)	

p-Rb (Thr821/826)

p-RP S6 (Ser240/244)

p-SHP-1 (Tyr536)

p-SHP-1 (Tyr564)

p-SHP-2 (Tyr542)

p-SHP-2 (Tyr580)

p-SLP-76 (Ser376)

p-SMAD1 (Ser463/465)

p-SMAD2 (Ser465/467)

p-SMAD3 (Ser423/425)

p-Src (Tyr419)

p-STAT1 (Tyr701)

p-STAT1 (Ser727)

p-STAT3 (Tyr705)

p-STAT4 (Tyr693)

p-STAT5 (Tyr694/699)

p-STAT5 (Tyr694/699)

p-STAT6 (Tyr641)

p-SYK (Tyr525/526)

p-SYK (Tyr352)

p-TrkA (Tyr674/675) - TrkB (Tyr706/707)

p-VEGF Receptor2 (Tyr1175)

p-VEGF Receptor2 (Tyr951)

p-VEGF Receptor2 (Tyr1214)

p-ZAP (Tyr319)

AKT 1 Total

AKT1/2/3 Total

ALK Total

AMPK alpha 1/2 Total

alpha-Synuclein Total

Btk Total

CHK1 Total

Cofilin Total

CREB Total

EGF Receptor Total

ErbB2 Total

eIF2a Total

ERK 1/2 Total

GAPDH Total

GAPDH Total Mouse/Human Reactive

IGF-1 Receptor beta Total

Insulin Receptor beta Total

Lck Total

MEK1 Total

MKK4 Total

mTOR Total

mTOR Total

NF-kappa B p65 Total

p38 MAPK Total

p38 MAPK Total

p53 Total

p70S6K Total

PD-1 Total

PDGF Receptor β Total

Raf-1 Total

Ras Total

Rb Total

SHP-1 Total

SHP-2 Total

SLP-76 Total

SMAD1 Total

SMAD2 Total

SMAD3 Total

STAT3 Total

STAT4 Total

STAT5 Total

STAT6 Total

SYK Total

VEGF Receptor Total

ZAP-70 Total

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer C

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer

Activation Buffer B

Activation Buffer B

Activation Buffer

Activation Buffer

Activation Buffer,

Activation Buffer,

Activation Buffer,

Activation Buffer,

Activation Buffer,

Activation Buffer,

