protein — Available w/ Theralink
protein — Could be added to Panel upon request
protein — Currently in Validation
P — Phosphorylation sites measured by Theralink
Stimulatory Signal
Inhibitory Signal
Translocation
label

THERALINK®
Precision Medicine for Life®

BCR
CD19
Ca^{2+}
Orai1
CRAC Channel
Lyn
CD22
SHP-1
Ezrin
Lipid Raft Aggregation
CD19
Lyn
Gab
SHP-2
BCAP
p85
PI3K
PIP_3
Shc
GRB2
FcγRIIB1
SHIP
PTEN
Dok-3
BCR Internalization
Clathrin
Bam32
CD45
Cbp/PAG
Csk
Syk
SHP-1
SHP-2
Btk
RhoA
Cbl
Bam32
PLCγ2
$PI(4,5)P_2$
IP_3
IP_3R
Ca^{2+}
Intracellular Ca^{2+} Store
STIM1
Ca^{2+}
AKT
Glucose Uptake
Glycolysis
ATP Generation
LAB
GRB2
Vav1
Rac/cdc42
CD19
PIP_3
CIN85
BLNK
GRB2
SOS
DAG
PKC
GRP
Ras
Ras
GAP
Ras
HS1
Pyk2
Rac
RapL
Rap
Riam
Cofilin
Cytoskeletal Rearrangements and Integrin Activation
DAG
c-Raf
Dok-3
FcγRIIB1
CARMA1
TAK1
Bcl10
MALT1
IKKα
GSK3β
mTORC1
p70S6K
CaM
Calcineurin
Protein Synthesis
MEKKs
MKK3/4/6
DAG
MKK4/7
PKC
Ca^{2+}
p38
JNK1/2
CD19
MEK1/2
ERK1/2
IκB
NF-κB
Proteolysis
nFAT
CD40
p38
JNK
ERK1/2
NF-κB
CamK
AKT
MEF2C
CREB
ATF-2
Jun
Bcl-6
Egr-1
Elk-1
Bcl-xL
Bfl-1
Oct-2
Ets-1
nFAT
FOXO1