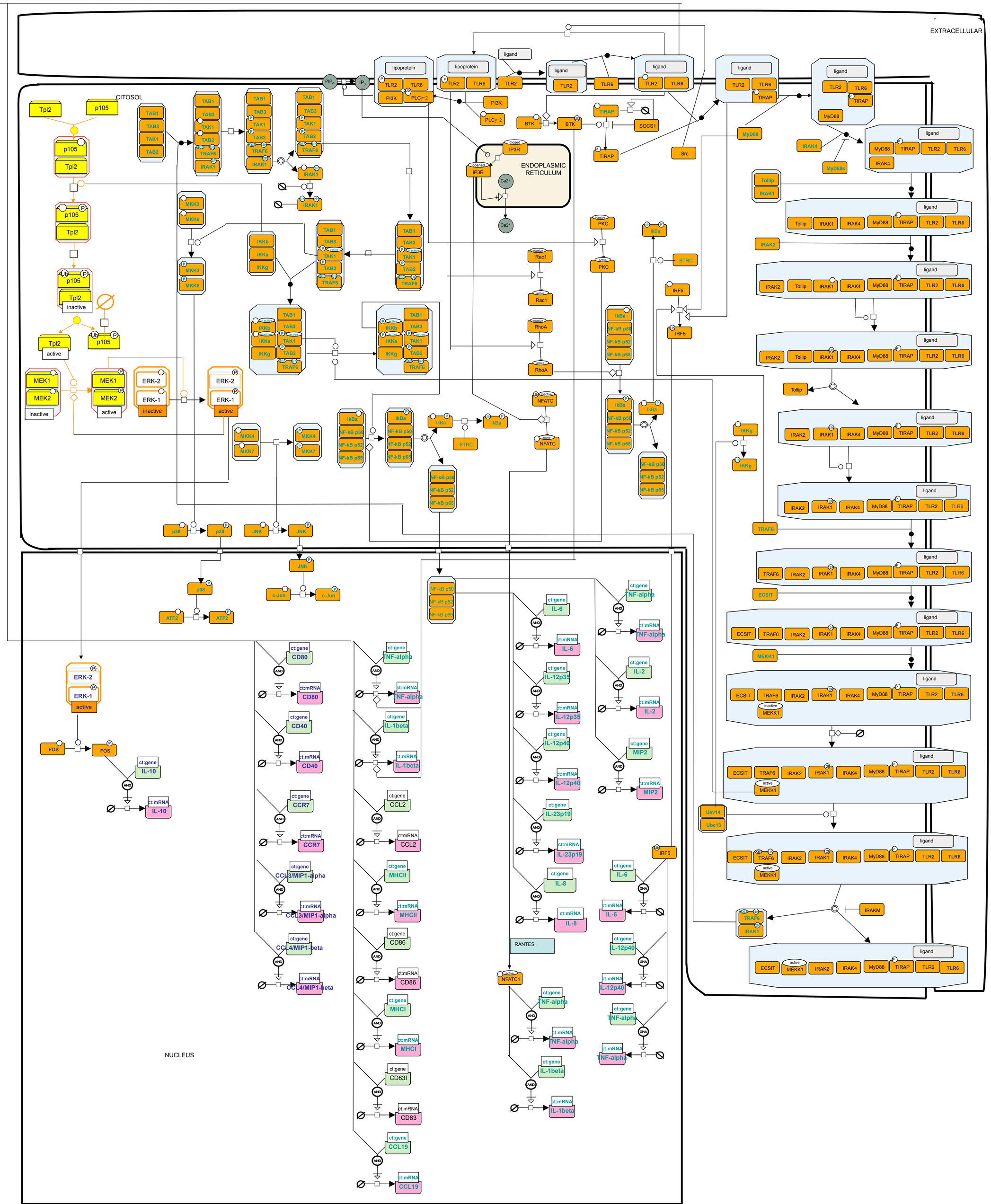
EXTRACELLULAR
CITOSOL
NUCLEUS
ENDOPLASMIC RETICULUM
lipoprotein
ligand
TLR2
TLR6
PI3K
PLCγ-2
PIP2
IP3
IP3R
Ca2+
BTK
TIRAP
SOCS1
Src
MyD88
MyD88s
IRAK4
IRAK1
IRAK2
Tollip
TRAF6
ECSIT
MEKK1
Uev14
Ubc13
IRAKM
TAB1
TAB3
TAK1
TAB2
IKKb
IKKa
IKKg
MKK3
MKK6
MKK4
MKK7
p105
Tpl2
MEK1
MEK2
ERK-1
ERK-2
p38
JNK
c-Jun
ATF2
FOS
Rac1
RhoA
PKC
IkBa
NF-kB p50
NF-kB p52
NF-kB p65
BTRC
NFATC
NFATC1
IRF5
IL-10
CD80
CD40
CCR7
CCL3/MIP1-alpha
CCL4/MIP1-beta
TNF-alpha
IL-1beta
CCL2
MHCII
CD86
MHCI
CD83I
CCL19
IL-6
IL-12p35
IL-12p40
IL-23p19
IL-8
IL-2
MIP2
RANTES
ct:gene
ct:mRNA
AND
OMA