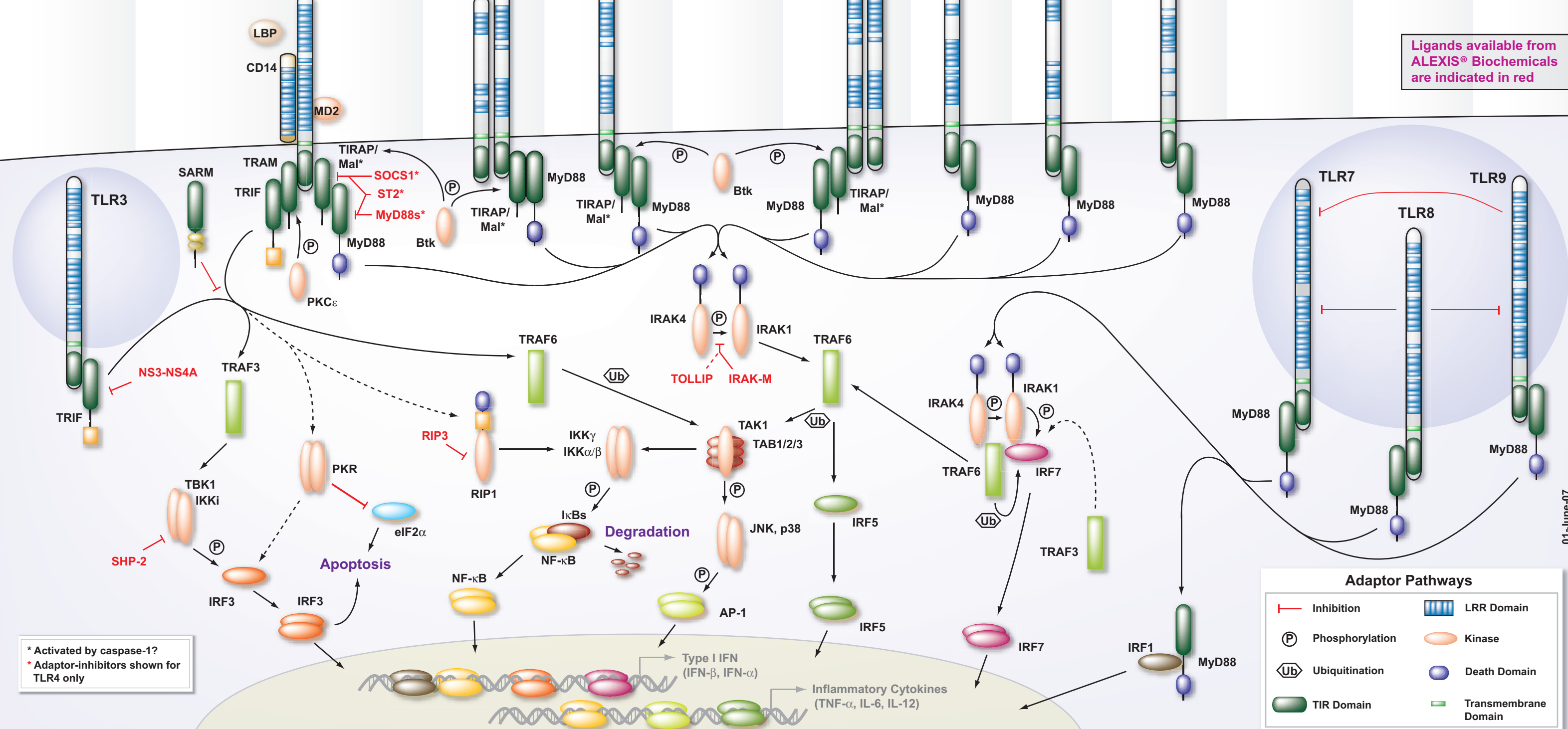


Ligands

TLR3	TLR4/CD14	TLR4	TLR1/TLR2	TLR2	TLR2/Dectin-1	TLR6/TLR2	TLR5	TLR10	TLR11	TLR7	TLR8	TLR9
<ul style="list-style-type: none"> Double-stranded RNA (dsRNA) poly(I:C) mRNA/tRNA 	<ul style="list-style-type: none"> Lipopolysaccharides (LPS) (R- and S-forms) Lipid A Monophosphoryl Lipid A (MPL-A) Acyclic Lipid A-like Analog (R-112022) Paclitaxel (recognizes mouse TLR4) LMW Oligosaccharides of Hyaluronic Acid (sHA) Flavolipin Glycoinositolphospholipids (GIPLs) 	<ul style="list-style-type: none"> Lipopolysaccharide (LPS) (R-form) Lipid A Monophosphoryl Lipid A (MPL-A) 	<ul style="list-style-type: none"> Lipoproteins: e.g. OspA Triacylated Lipopeptides: Pam₃CSK₄, JBT3002 	<ul style="list-style-type: none"> Bacterial Lipoproteins Lipoarabinomannan (LAM) MALP-2 (Mycoplasmal Macrophage-activating Lipopeptide) Glycosylphosphatidylinositol (GPI) Glycolipids Porins 	<ul style="list-style-type: none"> Zymosan 	<ul style="list-style-type: none"> MALP-2 (Mycoplasmal Macrophage-activating Lipopeptide) Diacylated Lipopeptides: Pam₂CSK₄, FSL-1 Soluble Tuberculosis Factor (STF) 	<ul style="list-style-type: none"> Flagellin 	<ul style="list-style-type: none"> Unknown 	<ul style="list-style-type: none"> Profilin 	<ul style="list-style-type: none"> Imiquimod Gardiquimod R-848 (Resiquimod) S-27610 Loxoribine TOG 3M-13 Bropirimine Single-stranded RNA (ssRNA) Polyuridylic acid U1snRNA siRNA 	<ul style="list-style-type: none"> 3M-2 R-848 (Resiquimod) Single-stranded RNA (ssRNA) Polyuridylic acid 	<ul style="list-style-type: none"> Unmethylated CpG DNA CpG ODNs Hemozoin

Ligands available from ALEXIS® Biochemicals are indicated in red



* Activated by caspase-1?
* Adaptor-inhibitors shown for TLR4 only

01-June-07

Adaptor Pathways

— —	Inhibition	▬▬▬▬	LRR Domain
Ⓟ	Phosphorylation	⬭	Kinase
Ⓢ	Ubiquitination	Ⓜ	Death Domain
▬	TIR Domain	▬▬▬▬	Transmembrane Domain