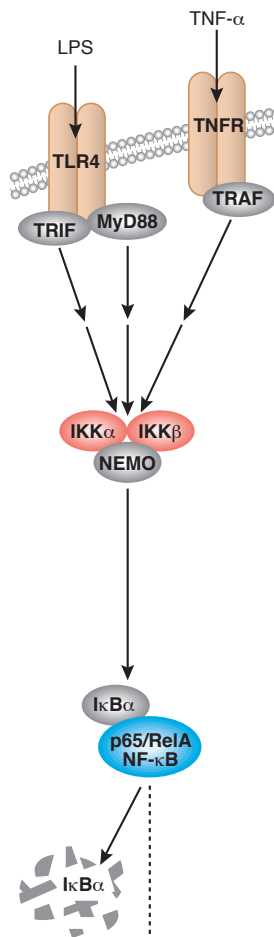
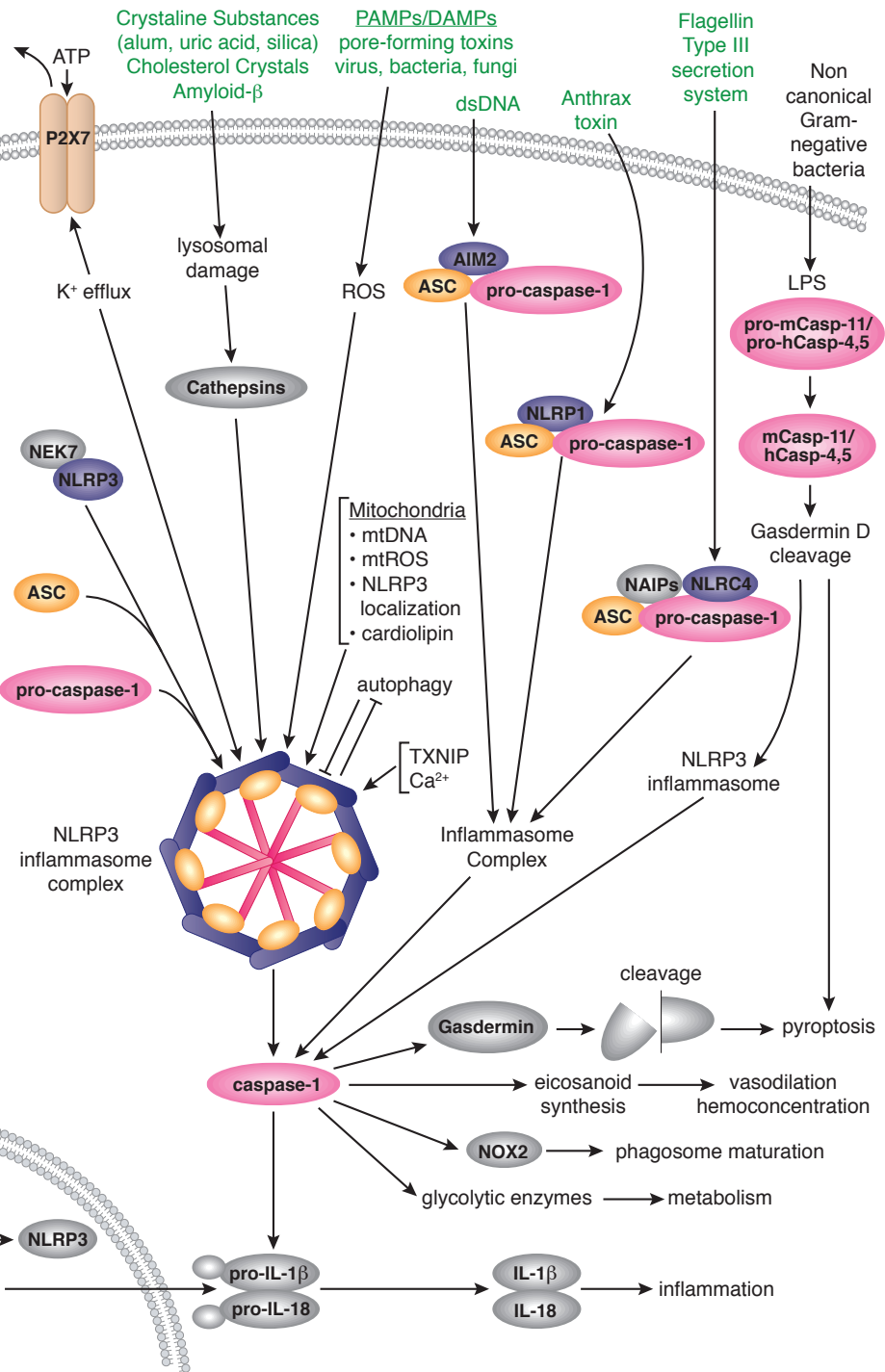


Inflammasome Signaling

Signal 1



Signal 2



Inflammasome activators are indicated in GREEN.

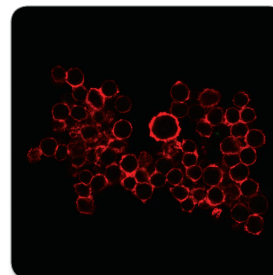
Key Products for Inflammasome Signaling

Visit www.cellsignal.com for full listing of antibodies, related kits, and reagents.

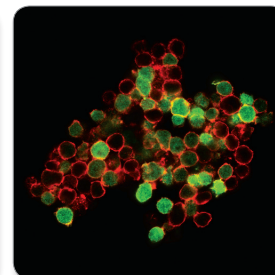
ANTIBODIES

	APPLICATIONS	REACTIVITY
#12948 AIM2 (D5X7K) Rabbit mAb	WB, IP	H
#67824 ASC (D2W8U) Rabbit mAb (Mouse Specific)	WB, IP, IF-IC	M
#3866 Caspase-1 (D7F10) Rabbit mAb	WB, IP	H
#4199 Cleaved Caspase-1 (Asp297) (D57A2) Rabbit mAb	WB, IP	H
#4450 Caspase-4 Antibody	WB	H
#46680 Caspase-5 (D3G4W) Rabbit mAb	WB, IP	H
#14340 Caspase-11 (17D9) Rat mAb	WB, IP	M
#14970 IF16 (D8B5T) Rabbit mAb	WB, IP, IHC-P	H
#12242 IL-1 β (3A6) Mouse mAb	WB, IHC-P	H, M
#12703 IL-1 β (D3U3E) Rabbit mAb	WB, IF-IC, F	H
#13627 IL-1 β (D3U3E) Rabbit mAb (PE Conjugate)	F	H
#31202 IL-1 β (D6D6T) Rabbit mAb (Mouse Specific)	WB, F	M
#83186 Cleaved-IL-1 β (Asp116) (D3A3Z) Rabbit mAb	WB, IP, IF-IC	H
#4990 NALP1 Antibody	WB	H, M, R, (Mk)
#15101 NLRP3 (D4D8T) Rabbit mAb	WB, IP	H, M, (Hm)
#12421 NLRC4 (D5Y8E) Rabbit mAb	WB, IP	H
#13833 TMS1 (E1E3I) Rabbit mAb	WB, IP	H

Untreated

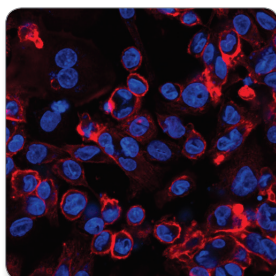


LPS-treated

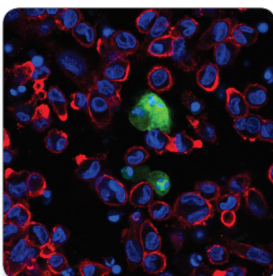


IL-1 β (D3U3E) Rabbit mAb #12703: Confocal IF analysis of THP-1 cells, untreated (left) or LPS-treated (500 ng/ml, 2 hr; right), using #12703 (green). Actin filaments were labeled with DyLight™ 554 Phalloidin #13054 (red).

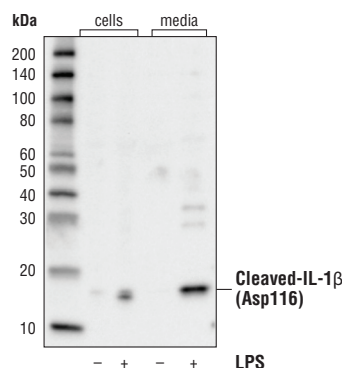
Untreated



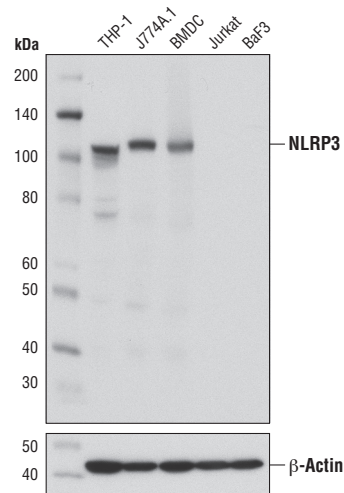
LPS-treated



Cleaved-IL-1 β (Asp116) (D3A3Z) Rabbit mAb #83186: Confocal IF analysis of THP-1 cells, differentiated with TPA #4174 (80 nM, 24 hr) and subsequently treated with (right) or without (left) Lipopolysaccharides (LPS) #14011 (1 μ g/ml, 6 hr), using Cleaved-IL-1 β (Asp116) (D3A3Z) Rabbit mAb (green). Actin filaments were labeled with DyLight™ 554 Phalloidin #13054 (red). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).

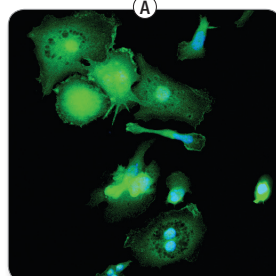


Cleaved-IL-1 β (Asp116) (D3A3Z) Rabbit mAb #83186: WB analysis of extracts from cells or media collected from THP-1 cells, differentiated with TPA #4174 (80 nM, overnight) and subsequently treated with (+) or without (-) Lipopolysaccharides (LPS) #14011 (1 μ g/ml, 6 hr), using #83186.

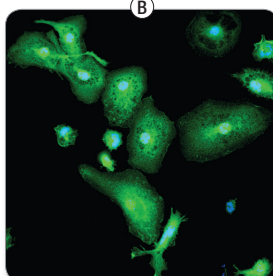


NLRP3 (D4D8T) Rabbit mAb #15101: WB analysis of extracts from mouse bone marrow-derived dendritic cells (BMDC) and various cell lines using #15101 (upper) and β -Actin (D6A8) Rabbit mAb #8457 (lower).

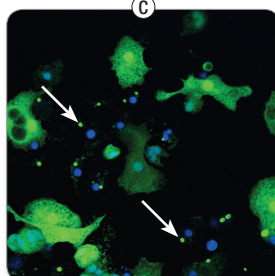
BMDM Untreated



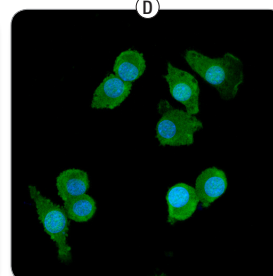
BMDM + LPS



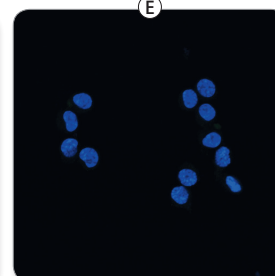
BMDM + LPS/ATP



J774A.1



Raw 246.7



ASC (D2W8U) Rabbit mAb (Mouse Specific) #67824: Confocal IF analysis of mouse primary bone marrow-derived macrophages (BMDM), either untreated (A) or treated with LPS (50 ng/ml, 4 hr, B) or LPS followed by ATP (5 mM, 45 min, C), and J774A.1 (D) or Raw 246.7 (E) cells, using ASC (D2W8U) Rabbit mAb (Mouse Specific) (green). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye). Note the translocation of ASC to inflammasomes following stimulation with LPS and ATP (white arrows).

APPLICATIONS & REACTIVITY KEY: WB Western Blotting / IP Immunoprecipitation / IHC Immunohistochemistry / IF Immunofluorescence / F Flow Cytometry / ChIP Chromatin Immunoprecipitation / -IC Immunocytochemistry / -P Paraffin / -F Frozen / E-P Peptide ELISA / H human / M mouse / R rat / Hm hamster / Mk monkey / C chicken / Mi mink / Dm D. melanogaster / X Xenopus / Z zebra fish / B bovine / Dg dog / Pg pig / Sc S. cerevisiae / All all species expected / () 100% sequence homology

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