Caspase-11 (mouse) monoclonal antibody (8A5)

Caspase-11 not only activates caspase-1, that is required for the maturation of proinflammatory cytokines such as interleukin-1 (IL-1) and interleukin-18 (IL-18), but also activates caspase-3, leading to cellular apoptosis under pathological conditions. In most cells, caspase-11 is only expressed upon induction with pro-inflammatory stimuli. Caspase-11 is an essential mediator of endotoxic shock and caspase-11-deficient mice are resistant to endotoxic shock. LPS-induced caspase-11 regulates lymphocyte apoptosis by activating both caspase-3 and caspase-7. Human caspase-4, thought to be the homolog of mouse caspase-11, may be an effective therapeutic target for treatment of septic shock.

This antibody is covered by our Worry-Free Guarantee.

Ordering Information

Order Online »

ALX-804-4940	100µg

Manuals, SDS & CofA

View Online »

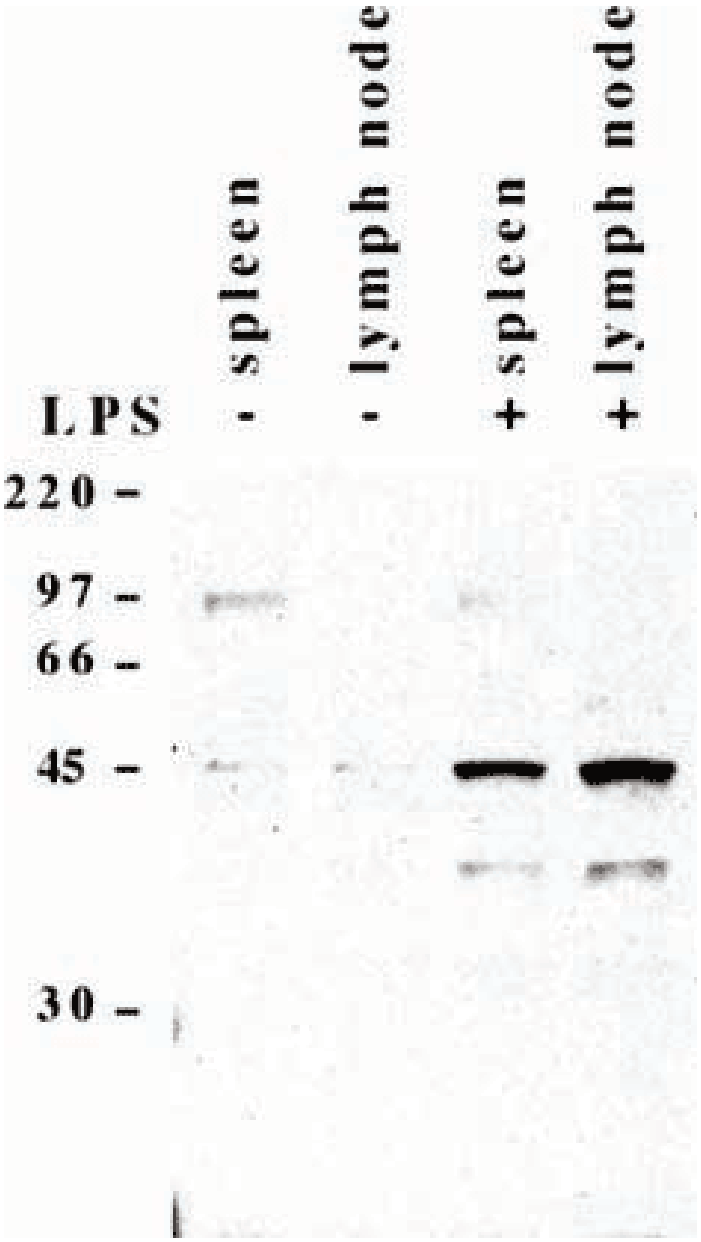


Figure: MAb 8A5 detects endogenous caspase-11 in mouse spleen and lymph node as two bands of 43 and 38 kDa. After 16 hrs co-culture with LPS 20 mg/mL elevated levels of caspase-11 are detected in mouse spleen and lymph node.

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Application	Flow Cytometry, WB
Application Notes	Detects two bands of ~38kDa and ~43kDa by Western blot.
Clone	8A5
Formulation	Liquid. In PBS containing 0.02% sodium azide.
Host	Rat
Immunogen	p20 fragment of mouse caspase-11.
Isotype	IgG1
Purity Detail	Protein G-affinity purified.
Species Reactivity	Mouse, Rat
Specificity	The epitope is in the p20 fragment.
UniProt ID	P70343
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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