

Product Data Sheet

Purified anti-Caspase-11

Catalog # / Size: 647201 / 25 µg
647202 / 100 µg

Clone: Cas11.17D9

Isotype: Rat IgG2a

Immunogen: His tagged bacterial fusion protein of p 30 of caspase 11

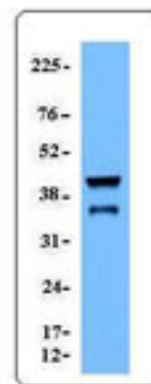
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



L929 cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-caspase 11 (Clone Cas11.17D9) antibody. Proteins were visualized using goat anti-rat secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): 1 to 2 µg per ml. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Schmidt RL, *et al.* 2012. *PLoS One*. 7:e45186. PubMed.

Description: Murine caspase-11 is an upstream protease of caspase-1 and interacts with the proform of caspase-1 which in turn activates IL-1 beta. Caspase-11 is not constitutively expressed in most cell types. Its expression can be upregulated by LPS, IFN-gamma, and other pro-inflammatory stimuli. NF-κB and STAT1 were reported to be involved in the activation. Caspase-11 knock-out mice were resistant to endotoxin shock and do not produce IL-1 after stimulation with LPS. Their production of IFN-gamma was also deficient.

Antigen References: 1. Lee J *et al.* 2001. *J. Biol. Chem.* 276:32956
2. Schauvliege R *et al.* 2002. *J. Biol. Chem.* 277:41624
3. Wang S *et al.* 1998. *Cell* 92:501

Related Products:

Product
AKP Goat anti-rat IgG (minimal x-reactivity)
HRP Goat anti-rat IgG (minimal x-reactivity)

Clone
Poly4054
Poly4054

Application
ELISA, WB
ELISA, IF, IHC, WB



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