

Product Information

Product Name: anti-Caspase-1 (p20) (mouse), mAb (Casper-1)
Catalog Number: AG-20B-0042

Caspase-1 (mouse) Detection by Western Blotting:

1. Priming:

Murine: Bone marrow-derived dendritic cells (BMDCs) or bone marrow-derived macrophages (BMDMs) are cultured in RPMI 1640 media, supplemented with 10% FBS. Cells are treated for 3h with lipopolysaccharide (LPS) (50ng/ml) (#AG-CU1-0001).

2. Inflammasome activation:

Murine LPS-primed BMDCs or BMDMs are plated in 12-well plates and treated for 6h with monosodium urate (MSU) (150µg/ml) (#AG-CR1-3951) or for 30min with Nigericin (5µM) (#AG-CN2-0020).

During this step, pro-Caspase-1 is cleaved into p10 and p20 fragments and secreted.

3. Western blotting:

Supernatants or Cell extracts from activated or non-activated cells are processed for immunoblotting, separated on a 15 % SDS-PAGE gel and electrotransferred to nitrocellulose or PVDF membrane.

- Mouse Caspase-1 (p20) is detected by Caspase-1 (p20) (mouse), mAb (Casper-1) (1µg/ml) (#AG-20B-0042)
- Mouse Caspase-1 (p10) is detected by Caspase-1 (p10) (mouse), mAb (Casper-2) (1µg/ml) (#AG-20B-0044)

23-10-2018/AT

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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