#12703 Store at -20C

IL-1β (D3U3E) Rabbit mAb



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| Applications: F WB, W-S, IF-IC, FC-FP | Reactivity: H | Sensitivity: Endogenous | MW (kDa): 17, 31 | Source/Isotype: Rabbit IgG | UniProt ID: #P01584 | Entrez-Gene Id: 3553 | |
|--|--|--|----------------------------|--|------------------------|-------------------------|--|
| Product Usage Information | Ap | plication | | Dilution | | | |
| | We | estern Blotting | | | 1:1 | 000 | |
| | Sir | nple Western™ | | | 1:1 | 0 - 1:50 | |
| | Imi | munofluorescence (| Immunocytochen | 1:200 - 1:800 | | | |
| | Flo | w Cytometry (Fixed | //Permeabilized) | 1:100 - 1:400 | | | |
| Storage | | | | 7.5), 150 mM NaCl, 100 o not aliquot the antibody | | erol and less than | |
| | For | For a carrier free (BSA and azide free) version of this product see product #18689. | | | | | |
| Specificity / Sensitiv | obs | IL-1 β (D3U3E) Rabbit mAb recognizes endogenous levels of total IL-1 β protein. This antibody is not observed to detect endogenous levels of mature IL-1 β . It can detect up to 100 pg of recombinant mature IL-1 β . | | | | | |
| Source / Purification | Mor | Monoclonal antibody is produced by immunizing animals with recombinant human IL-1 β protein. | | | | | |
| Background | hos mad dow pred | Interleukin- 1β (IL- 1β), one of the major caspase- 1 targets, is a multifunctional cytokine that is involved in a host of immune and proinflammatory responses (1). It is produced primarily by activated monocytes and macrophages. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets (2-6). Human IL- 1β is synthesized as a 31 kDa precursor. To gain activity, the precursor must be cleaved by caspase- 1 between Asp 116 and Ala 117 to yield a 17 kDa mature form (7,8). Detection of the 17 kDa mature form of IL- 1β is a good indicator of caspase- 1 activity. | | | | | |
| Background Referen | 2. B 3. C 4. C 5. W 6. N 7. T | Dinarello, C.A. (1998) Int Rev Immunol 16, 457-99. Burns, K. et al. (1998) J Biol Chem 273, 12203-9. Cao, Z. et al. (1996) Nature 383, 443-6. Cao, Z. et al. (1996) Science 271, 1128-31. Wesche, H. et al. (1997) Immunity 7, 837-47. Ninomiya-Tsuji, J. et al. (1999) Nature 398, 252-6. Thornberry, N.A. et al. (1992) Nature 356, 768-74. Cerretti, D.P. et al. (1992) Science 256, 97-100. | | | | | |

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS,

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting W-S: Simple Western™ IF-IC: Immunofluorescence (Immunocytochemistry)

FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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4/19/24, 10:35 AM **Limited Uses**

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