

ARG45363 anti-IL-1 R2 antibody [7D7]

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rat Monoclonal antibody [7D7] recognizes IL-1 R2 |
| Tested Reactivity | Ms |
| Tested Application | IHC-P |
| Host | Rat |
| Clonality | Monoclonal |
| Clone | 7D7 |
| Isotype | IgG2 |
| Target Name | IL-1 R2 |
| Species | Mouse |
| Immunogen | Recombinant protein corresponding to extracellular domain of mouse IL-1 R2. |
| Conjugation | Un-conjugated |
| Alternate Names | IL1R2; Interleukin 1 Receptor Type 2; CD121b; IL1RB; CD121 Antigen-Like Family Member B; Interleukin-1 Receptor Type II; Interleukin-1 Receptor Type 2; Interleukin-1 Receptor Beta; IL-1 Type II Receptor; IL-1R-Beta; IL-1RT-2; CDw121b; IL-1R-2; IL-1RT2; Type II Interleukin-1 Receptor, Beta; Interleukin 1 Receptor, Type II; Antigen CDw121b; CD121b Antigen; IL1R2c |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|--------------|
| | IHC-P | 1:50 - 1:100 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

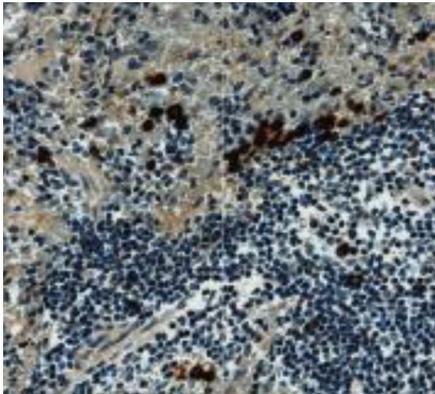
Properties

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|---------------------|--|
| Form | Powder |
| Purification | Protein G/A chromatography |
| Buffer | PBS |
| Reconstitution | PBS |
| Concentration | 0.2 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|-----------------------|---|
| Gene Symbol | IL1R2 |
| Gene Full Name | Interleukin 1 Receptor Type 2 |
| Background | The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012] |
| Function | Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors |
| Calculated Mw | 46 kDa |
| PTM | Disulfide bond; Glycoprotein. [UniProt] |
| Cellular Localization | Cell membrane; Membrane; Secreted. [UniProt] |

Images



ARG45363 anti-IL-1 R2 antibody [7D7] IHC-P image

Immunohistochemistry: Mouse Spleen stained with ARG45363 anti-IL-1 R2 antibody [7D7].