

Product datasheet for **DM3563P**

IL1rl1 (Extracell. Dom.) Rat Monoclonal Antibody [Clone ID: 3F22]

Product data:

| | |
|------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 3F22 |
| Applications: | WB |
| Recommended Dilution: | Western Blot: 1/500-1/1000. |
| Reactivity: | Mouse |
| Host: | Rat |
| Isotype: | IgG2 |
| Clonality: | Monoclonal |
| Immunogen: | Purified Mouse Recombinant IL-1 R4 extracellular domain |
| Specificity: | This antibody detects IL-1 R4. |
| Formulation: | Lyophilized from a 0.2 µm filtered solution in PBS State: Purified State: Lyophilized purified Ig fraction |
| Reconstitution Method: | Restore with 200 µl sterile PBS and the final concentration is 500 µg/ml. |
| Purification: | Protein A/G Affinity Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Prior to reconstitution store at -70°C. Following reconstitution store the antibody (in aliquots) at -20°C for 6 months. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | interleukin 1 receptor-like 1 |
| Database Link: | Entrez Gene 17082 Mouse P14719 |



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Background:

ST2 is a member of the Toll-Interleukin 1 receptor (TIR) superfamily, expressed by mast cells and TH2 helper cells, but not by TH1 effector cells. The majority of TIR superfamily members, which includes the Interleukin-1 receptor (IL-1R1), Toll-like receptors (TLRs) and the cytosolic adaptor proteins MyD88, TIRAP, Trif and TRAM, initiate innate immunity through the ultimate activation of the transcription factor NF-kappaB and are inducers of the inflammatory response. In contrast ST2, which itself is unable to activate NF-kappaB, has been identified as a negative regulator of IL-1R1 and TLR4 signaling by sequestering MyD88 and TIRAP, in line with its role as a crucial receptor in TH2-cell mediated responses.

Synonyms:

Interleukin-1 receptor-like 1, DER4, FIT-1, MGC32623