

IL-1Rrp2 (5G5): sc-293377

BACKGROUND

IL-1Rrp2 (interleukin-1 receptor-related protein 2) or IL1RL2, is a member of the interleukin-1/Toll-like receptor family and is highly expressed in brain, skin and mammary and mucosal epithelial cells. IL-1Rrp2 exhibits 42% homology with interleukin-1 type 1 receptor and 26% homology with interleukin-1 type 2 receptor. IL-1Rrp2 mediates NFκB activation, MAPK activation and inflammatory responses triggered by ligands IL-1F6, IL-1F8 and IL-1F9. Signaling via IL-1Rrp2 also requires IL-1RAcP (interleukin-1 accessory protein). IL-1Rrp2 may play a role in immune defense in the GI tract and skin. IL-1Rrp2 may also be involved in the pathogenesis of rheumatoid arthritis (RA).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL1RL2 (human) mapping to 2q12.1.

SOURCE

IL-1Rrp2 (5G5) is a mouse monoclonal antibody raised against amino acids 20-118 of IL-1Rrp2 of human origin.

PRODUCT

Each vial contains 100 µg IgG₁ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

IL-1Rrp2 (5G5) is recommended for detection of IL-1Rrp2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

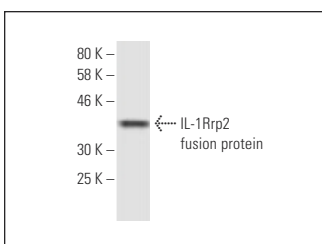
Suitable for use as control antibody for IL-1Rrp2 siRNA (h): sc-94696, IL-1Rrp2 shRNA Plasmid (h): sc-94696-SH and IL-1Rrp2 shRNA (h) Lentiviral Particles: sc-94696-V.

Molecular Weight of IL-1Rrp2: 65 kDa.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



IL-1Rrp2 (5G5): sc-293377. Western blot analysis of human recombinant IL-1Rrp2 fusion protein.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.