

## IL-1R9 (E-15): sc-131569

### BACKGROUND

IL-1R9, also known as X-linked interleukin-1 receptor accessory protein-like 2 (IL1RAPL-2) or three immunoglobulin domain-containing IL-1 receptor-related 1 (TIGIRR-1), is a member of the interleukin-1/Toll-like receptor family expressed in fetal brain. It is a single pass transmembrane protein with a highly conserved cytoplasmic region that is slightly longer than that of other family members. IL-1R9 is highly homologous to IL-1R8 and the IL-1 accessory protein receptor chains. The genes encoding IL-1R9 and IL-1R8 are both found on the X-chromosome in the region associated with X-linked non-syndromic mental retardation. Unlike other family members, IL-1R9 and IL-1R8 do not activate NF $\kappa$ B.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: IL1RAPL2 (human) mapping to Xq22.3; Il1rapl2 (mouse) mapping to X F1.

### SOURCE

IL-1R9 (E-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of IL-1R9 of human origin.

### PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-131569 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

IL-1R9 (E-15) is recommended for detection of IL-1R9 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

IL-1R9 (E-15) is also recommended for detection of IL-1R9 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for IL-1R9 siRNA (h): sc-90992, IL-1R9 siRNA (m): sc-146214, IL-1R9 shRNA Plasmid (h): sc-90992-SH, IL-1R9 shRNA Plasmid (m): sc-146214-SH, IL-1R9 shRNA (h) Lentiviral Particles: sc-90992-V and IL-1R9 shRNA (m) Lentiviral Particles: sc-146214-V.

Molecular Weight of IL-1R9: 79 kDa.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### 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](http://www.scbt.com) or our catalog for detailed protocols and support products.