# Fcrls (K-15): sc-46588



The Power to Question

#### **BACKGROUND**

The Fc receptor homolog (FcRH) family of proteins are related to the classical Fc receptors (FcR) and belong to the immunoglobulin receptor superfamily. The proteins in the FcRH family (namely FcRH1-FcRH6) are type I transmembrane glycoproteins that are involved in immune system regulation and have immunoreceptor-tyrosine inhibitory motifs in their cytoplasmic domains. FcRH proteins are expressed primarily, although not exclusively, by mature B lineage cells, and may also serve important regulatory roles in normal and neoplastic B cell development. Fcrls (Fc receptor-like S), also known as IgSR, Msr2, Fcrh2, IFGP2, MMAN-g, FcRH2sc or moFcRH2sc, is a 509 amino acid mouse protein that is related to the human FcRH family. The mouse ortholog of human FcRH2, Fcrls is expressed in non-lymphoid tissues and may play a role in developmental regulation events throughout the cell.

## **REFERENCES**

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# CHROMOSOMAL LOCATION

Genetic locus: Fcrls (mouse) mapping to 3 F1.

## **SOURCE**

Fcrls (K-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Fcrls of mouse origin.

# **PRODUCT**

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

Blocking peptide available for competition studies, sc-46588 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

Fcrls (K-15) is recommended for detection of Fcrls of mouse 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).

Suitable for use as control antibody for Fcrls siRNA (m): sc-45687.

Molecular Weight of Fcrls: 64 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) 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 or our catalog for detailed protocols and support products.

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