**BACKGROUND**

Mrf-2 (modulator recognition factor 2), also known as ARID5B (AT-rich interactive domain-containing protein 5B), MRF1-like protein or DESRT, is a 1,188 amino acid nuclear protein that functions as a transcription coactivator and is involved in adipogenesis. Also implicated as a regulator of smooth muscle cell differentiation and proliferation, Mrf-2 is widely expressed, contains one ARID domain which it utilizes to interact with DNA, and is a member of the ARID5B family. Mrf-2 exists as three alternatively spliced isoforms that are encoded by a gene that maps to human chromosome 10q21.2. Defects in the Mrf-2 gene may contribute to susceptibility to acute lymphoblastic leukemia (ALL), a cancer of white blood cells that is one of the most common malignancies found in children.

**REFERENCES**


**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Blocking peptide available for competition studies, sc-163093 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**APPLICATIONS**

Mrf-2 (L-14) is recommended for detection of Mrf-2 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); non-cross-reactive with Mrf-1.

Mrf-2 (L-14) is also recommended for detection of Mrf-2 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for Mrf-2 siRNA (h): sc-90532, Mrf-2 siRNA (m): sc-149552, Mrf-2 shRNA Plasmid (h): sc-90532-SH, Mrf-2 shRNA Plasmid (m): sc-149552-SH, Mrf-2 shRNA (h) Lentiviral Particles: sc-90532-V and Mrf-2 shRNA (m) Lentiviral Particles: sc-149552-V.

Molecular Weight of Mrf-2 isoforms: 132/104/36 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) and donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:4000) 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.