**BACKGROUND**

Leukocyte-associated immunoglobulin-like receptor 2 (LAIR-2), also called CD306 antigen, is a secreted 152 amino acid member of the immunoglobulin superfamily. LAIR-2 was identified by its similarity to LAIR-1. It may help modulate mucosal tolerance established by the interaction of LAIR-1 with Ep-CAM. Two isoforms have been characterized for this protein. Isoform 1, also called LAIR-2a, is the full length protein. Isoform 2, also called LAIR-2b, is missing the amino acid sequence from 122 and 138.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: LAIR2 (human) mapping to 19q13.4.

**SOURCE**

LAIR-2 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of LAIR-2 of human origin.

**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-67600 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**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.

**APPLICATIONS**

LAIR-2 (C-15) is recommended for detection of LAIR-2 of 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).

Suitable for use as control antibody for LAIR-2 siRNA (h): sc-62538 and as shRNA Plasmid control antibody for LAIR-2 shRNA Plasmid (h): sc-62538-SH.

Molecular Weight of LAIR-2: 16 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-Z333 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.

**Molecular Weight of LAIR-2:**

16 kDa.

**PROTOCOLS**

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