

BAFF-R (B-3): sc-365409

BACKGROUND

TNF cytokine family member TALL-1 (also designated BAFF, zTNF4, THANK and BLYS) is a type II membrane protein that shares characteristics with other members of the tumor necrosis factor (TNF) cytokine family. TALL-1 has the ability to bind to three receptors, TACI, BCMA and BAFF-R, but unlike other TNF receptors BAFF-R specifically binds only the TALL-1 ligand. The gene encoding human BAFF-R, which maps to chromosome 22q13.2, is expressed at high levels in spleen and lymph nodes and at lower levels in peripheral blood leukocytes and thymus. Expression of BAFF-R is crucial for selecting transitional B cells into the mature B cell pool.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TNFRSF13C (human) mapping to 22q13.2; Tnfrsf13c (mouse) mapping to 15 E1.

SOURCE

BAFF-R (B-3) is a mouse monoclonal antibody raised against amino acids 22-184 of BAFF-R of human origin.

PRODUCT

Each vial contains 200 μ g IgG₁ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

BAFF-R (B-3) is recommended for detection of BAFF-R of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], 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 BAFF-R siRNA (h): sc-40231, BAFF-R siRNA (m): sc-40232, BAFF-R shRNA Plasmid (h): sc-40231-SH, BAFF-R shRNA Plasmid (m): sc-40232-SH, BAFF-R shRNA (h) Lentiviral Particles: sc-40231-V and BAFF-R shRNA (m) Lentiviral Particles: sc-40232-V.

Molecular Weight of BAFF-R monomer: 19 kDa.

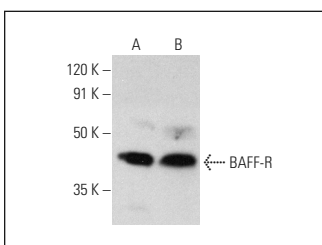
Molecular Weight of BAFF-R dimer: 40 kDa

Positive Controls: BAFF-R (h): 293 Lysate: sc-128078, BJAB whole cell lysate: sc-2207 or Raji whole cell lysate: sc-364236.

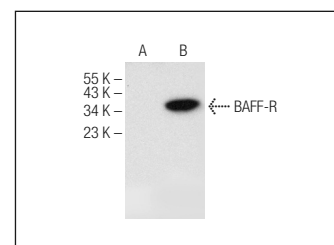
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ 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). 3) Immunofluorescence: use m-IgG κ BP-FITC: sc-516140 or m-IgG κ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

DATA



BAFF-R (B-3): sc-365409. Western blot analysis of BAFF-R expression in Raji (A) and BJAB (B) whole cell lysates.



BAFF-R (B-3): sc-365409. Western blot analysis of BAFF-R expression in non-transfected: sc-110760 (A) and human BAFF-R transfected: sc-128078 (B) 293 whole cell lysates.

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.