

Human BAFF protein, human IgG1 Fc tag (active)

Cat. No. GTX05099-pro

Applications Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

Rescues the production of mature follicular and marginal zone B cells.

- in vitro: Addition of 1-100 ng/ml of Fc-BAFF induces B cell survival in a dose-dependent manner.

- in vivo: Fc-BAFF treatment rescues mature B cell development in BAFF deficient mice. Mice are injected at day 0 with 100 µg Fc-BAFF i.v. and at day 14 with 50 µg Fc-BAFF i.p.

It can bind to human and mouse BAFF-R, TACI and BCMA.

Observed MW (kDa) ~50, ~100, or ~300 kDa.

Properties

Form Lyophilized powder**Buffer** Reconstitute with 100µl sterile H₂O to 0.1 mg/ml. Lyophilized from PBS.**Storage** Store at -20°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.**Region/Sequence** The receptor-binding domain of human BAFF (aa 136-285) is fused at the N-terminus to the Fc portion of human IgG1.**Expression System** CHO cells**Purification** Purified by Protein A.**Purity** ≥ 95% by SDS-PAGE**Conjugation** Unconjugated

Note

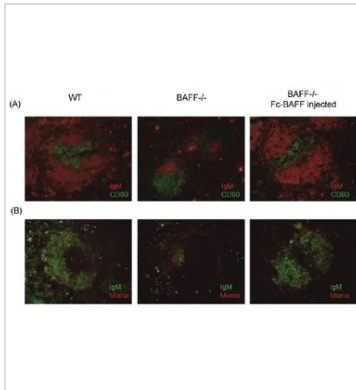
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DATA IMAGES



GTx05099-pro Functional Assay Image

In vivo assay of restoration of the splenic T and B cell architecture in BAFF deficient mice using GTx05099-pro Human BAFF protein, human IgG1 Fc tag (active).

BAFF deficient mice were injected at day 0 with 100mg GTx05099-pro intravenously and at day 14 with 50mg GTx05099-pro intraperitoneal. At day 21, injected BAFF deficient mice were sacrificed together with WT and control BAFF deficient mice.

The splenic T and B cell architecture was analysed by IHC-Fr.

Figure A: Spleen sections of WT (left picture), BAFF deficient (middle picture) or injected BAFF deficient mice (right picture) were stained for IgM (red) and CD90 (green).

Figure B : Spleen sections of the same mice were stained for IgM (green) and MOMA (red).



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