

Catalog number: BCG-0001

Mouse strain: IL17-GFP knockin mice

Gene common name: Interleukin 17A, IL-17A, IL17A

Chromosome: Chromosome 1

Allele Type: Targeted (Knockin)

Strain of Origin: C57BL/6J x C57BL/6J

ES Cell Line Strain: C57BL/6

Expressed Gene: EGFP, Enhanced Fluorescent Protein.

Note: DNA fragment containing IRES-EGFP-SV40 polyA signal sequence was inserted into after the stop codon of the interleukin 17A (IL17A) gene.

Genotyping:

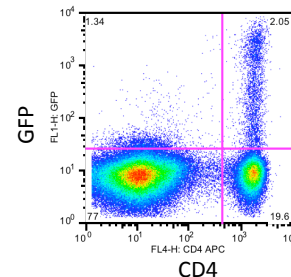
Phenotype:

In vivo:

IL-17A is actively expressed in some intraepithelial lymphocytes (IELs) of small intestine.

Isolated small intestine IELs were stained directly without stimulations. Fig 1 shows the GFP expression in IELs of IL-17A-GFP mice (Figure 1)

Fig 1



In vitro:

TGFbeta and IL-6 effects on GFP expression: Sorted naïve CD4+ T cells were stimulated with plate bound anti-CD3/anti-CD28 in the absence or presence of TGFb (1ng/ml) and IL-6 (20ng/ml). GFP expression was analyzed after 48 hours of stimulation (Figure 2)

Fig 2

