
FCGRT Rabbit pAb

Catalog Number: bs-13151R

Target Protein: FCGRT

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (3µg/Test)

Reactivity: Human, Mouse (predicted:Rat, Sheep, Dog)

Predicted MW: 37 kDa

Entrez Gene: 2217

Swiss Prot: P55899

Source: KLH conjugated synthetic peptide derived from human FCGRT/FcRn: 51-150/365.

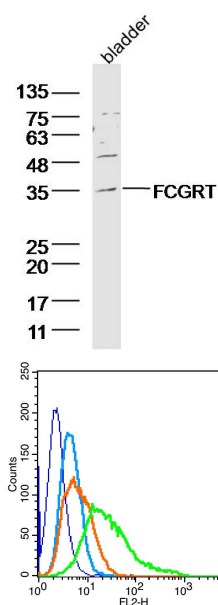
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: FcRn present in the intestinal epithelium of neonatal mice and rats mediates the selective uptake of immunoglobulin G (IgG) in mothers' milk, thereby helping newborn animals to acquire passive immunity. FcRn (also designated FCGRT, Brambell receptor, FcRn α chain, IgG Gc receptor and neonatal Fc-receptor) is comprised of a heavy chain and β -2-Microglobulin. FcRn heavy chain shows approximately 35% amino acid identity to an MHC class I molecule. FcRn localizes in endosomes of vascular endothelial cells and selectively recycles IgG to the cell surface, thus protecting IgG from lysosomal catabolism. This protection mechanism is a major constituent for ensuring IgG are the longest lived of all plasma proteins.

VALIDATION IMAGES



Sample: bladder (Mouse) Lysate at 40 ug Primary: Anti-FCGR2(bs-13151R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38kD Observed band size: 38 kD

Blank control(blue): U-87MG(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit AntiFCGR2 antibody(bs-13151R), Dilution: 3µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

PRODUCT SPECIFIC PUBLICATIONS

[IF=1.64] Zhang, Wang-Dong, et al. "Localization of neonatal Fc receptor for IgG in aggregated lymphoid nodules area in abomasum of Bactrian camels (*Camelus bactrianus*) of different ages." *BMC Veterinary Research* 12.1 (2016): 237. IHC ; ="Others" . 27765059