

Anti-StayGold/mBaojin, AlpHcAbs® Rabbit antibody

Code: 082-201-001

Cat.No: 082-201-001

Immunogen: StayGold fusion protein

Clone No: A2F7

Host: Alpaca pacous

Isotype: VHH domain of alpaca IgG2b/2c fused to Rabbit Fc(mutation)

Conjugate: Unconjugated

Specificity: StayGold

Cross-Reactivity: Recognizes StayGold, mStayGold and mBaojin variants. Does not cross-react with other proteins.

Purity: Recombinant Expression and Affinity purified

Size: 100ug

Buffer: 10mM PBS(pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300

Formation: Freeze-dried Powder, Store at 2-8°C

Rehydration: Rehydrated by 100uL dH₂O or 100uL dH₂O with 50% Glycerol before using (Final concentration: 1mg/mL)

Storage after Rehydration: -20°C (Avoid freeze/thaw cycles)

Description

Anti-StayGold/mBaojin, AlpHcAbs® Rabbit antibody is designed for detecting StayGold fusion protein specifically. Anti-StayGold/mBaojin, AlpHcAbs® Rabbit antibody is monovalent, recombinant single domain antibody fused to rabbit IgG Fc. Based on western blot and ELISA, Anti-StayGold/mBaojin, AlpHcAbs® Rabbit antibody reacts with the StayGold selectively, no reactivity with other proteins.

Background

StayGold is an exceptionally bright and stable fluorescent protein that is highly resistant to photobleaching. The high brightness and photostability of the green fluorescent protein StayGold make it a particularly attractive probe for long-term live-cell imaging. Using antibody with Fc(mutation), the background from Fc receptors will be eliminated.

Benefits

High lot-to-lot consistency
Increased sensitivity and higher affinity
Animal-free production

Application notes

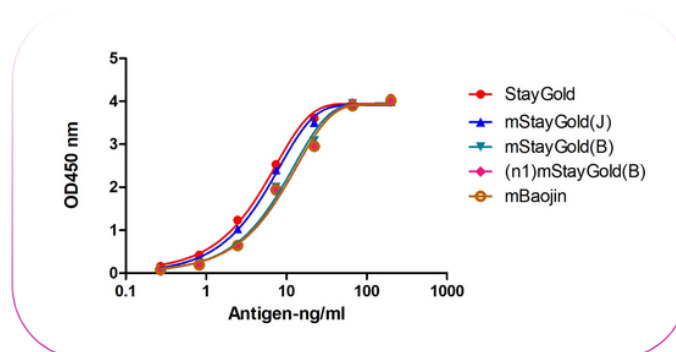
WB	1:5,000-1:20000
ELISA	1:5,000-1:20000
ICC/IF	100-1:1000
IP	1-2ug/sample
Flow Cyt	1µg for 10 ⁶ cells

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.

Anti-StayGold/mBaojin, AlpHcAbs[®] Rabbit antibody

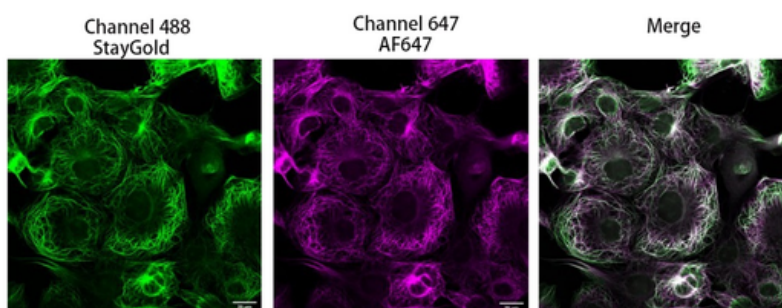
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Validation Data



- Elisa experiment of different antigen using Anti-StayGold/mBaojin, AlpHcAbs[®] Rabbit antibody

The plate was coated with different amounts of StayGold or its variants. 1:10000 dilution of Anti-StayGold/mBaojin, AlpHcAbs[®] Rabbit antibody was used as the primary antibody. Anti-Rabbit IgG(H+L), AlpSdAbs[®] VHH(HRP) (025-102-005) was used as the secondary antibody.



- Confocal experiment of StayGold-Enscosin transfected COS-7 using Anti-StayGold/mBaojin, AlpHcAbs[®] Rabbit antibody

StayGold-Enscosin transfected COS-7 cells were stained with Anti-StayGold/mBaojin, AlpHcAbs[®] Rabbit antibody (1:500) and Goat Anti-Rabbit IgG Antibody(AF647) was the secondary antibody(1:1000). (This picture is kindly provided by Zhang Lab, School of Life Sciences, Westlake University)

Please note: All products are FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC PROCEDURES.