

Rev05
Update: Nov,03,2023

DATASHEET

B-tag Antibody, pAb, Rabbit

Cat. No.: A00638

Overview

Specificity	GenScript Rabbit Anti-B-tag Polyclonal Antibody recognizes B tagged fusion proteins.
Host Species	Rabbit
Immunogen	B epitope tag peptide QYPALT conjugated to KLH
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

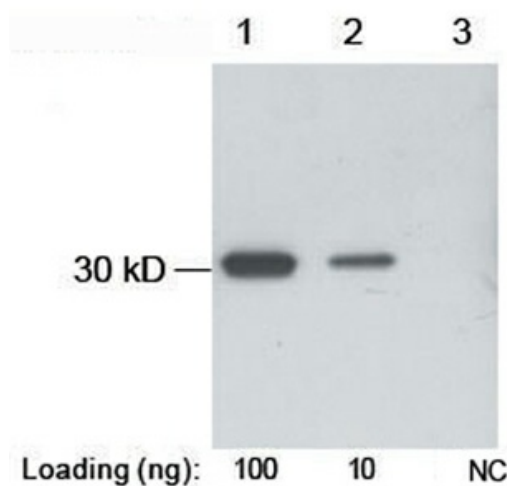
Application	Recommended Usage
ELISA	0.05-0.2 µg/ml
Western Blot	0.1-1.0 µg/ml
Western Blot	1:100-1:1,000

Properties

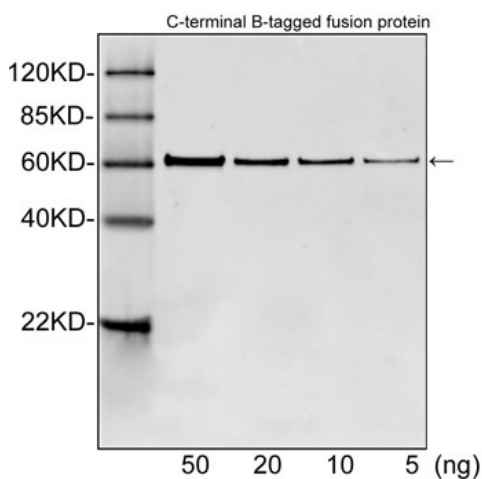
Form	Liquid
Storage Buffer	1× PBS, pH 7.4, containing 0.02% sodium azide
Concentration	1 mg/ml
Storage Instructions	The product remains stable for up to 1 year at -20 °C from the date of receipt. The antibody is stable for 2-3 weeks if stored at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.
Purification	Affinity chromatography

Isotype	Rabbit IgG
Clonality	Polyclonal
Clone ID	Not applicable
Note	Small volume of antibody will occasionally become entrapped in the cap of the vial during shipment and storage. Before use, centrifuge the vial briefly to bring down any liquid in the cap.

Examples



Lane 1-2: B-tag fusion protein in *E. coli* cell lysate (≈ 30 kD)
 Lane 3: Negative *E. coli* cell lysate
 Primary antibody: 1 μ g/ml Rabbit Anti-B-tag Polyclonal Antibody (GenScript, A00638)
 Secondary antibody: Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098, 1:10,000)
 The signal was developed with LumiSensor™ HRP Substrate Kit (GenScript, L00221V500)



Western blot analysis of B tagged fusion proteins expressed in *E. coli* cell lysate using Rabbit Anti-B-tag Polyclonal Antibody (GenScript, A00638, 1 μ g/ml) The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Background

Target Background : Well-characterized antibodies for epitope tags consisting of short sequences have been widely used in the study of protein expression in various systems. The B-tag is an epitope tag composed of a six-residue peptide, QYPALT, corresponding to a highly conserved region of VP7 core protein of the blue tongue virus. The GenScript Rabbit Anti-B-tag Polyclonal Antibody is developed in rabbit hosts using a synthetic B-tag peptide conjugated to KLH. GenScript Rabbit Anti-B-tag Polyclonal Antibody is highly purified from rabbit antiserum by immunoaffinity chromatography and is supplied as a 40 µg aliquot at a concentration of 1 mg/ml.

Synonyms : Rabbit Anti-B-tag; Anti-B-tag

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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