

For Research Use Only

Biotin-conjugated DYKDDDDK tag Monoclonal antibody (Binds to FLAG® tag epitope)



Catalog Number: Biotin-66008-4

Basic Information

Catalog Number: Biotin-66008-4	GenBank Accession Number: GeneID (NCBI):	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Full Name:	CloneNo.: 8H6A10
Source: Mouse		Recommended Dilutions: IF 1:300-1:1200 ELISA 1:2000-1:4000000
Isotype: IgG2b		

Applications

Tested Applications: ELISA, IF	Positive Controls:
Species Specificity: recombinant protein	IF : Transfected HEK-293 cells, ELISA : FusionProtein,

Background Information

DYKDDDDK Tag (Equivalent To FLAG Antibody From Sigma) with the following sequence DYKDDDDK, is a hydrophilic tag for recombinant protein technology. Tags can be used as a tool to localize gene products in a variety of cell types, study proteins topology, and also help to identify and characterize new, low abundance or poorly immunogenic proteins. Due to its high hydrophilic character, the DYKDDDDK tag is likely to be located on the surface of a fusion protein, which enables the tag to be accessible for antibodies. DYKDDDDK Tag Antibody is generated against 1x DYKDDDDK tag (DYKDDDDK) and can recognize protein containing one or more DYKDDDDK tags, independently on N-terminal, C-terminal or internal regions of the target protein. Anti-FLAG is a registered trademark of Sigma-Aldrich Biotechnology.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

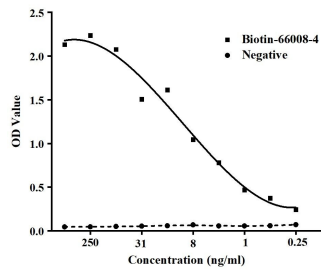
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

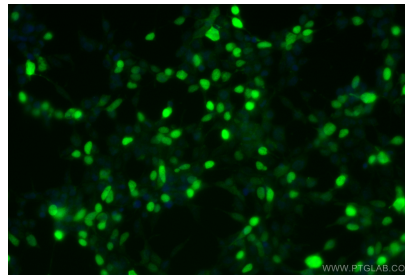
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Ag2329 (DYKDDDDK tagged protein) was coated onto microtiter plates at 0.073 μ g/well and then incubated with a dilution series of Biotin-66008-4 (start concentration 500 ng/ml). And then detected with Streptavidin Poly-HRP (1:2000) followed by incubation with HRP Substrate, terminated with 2M H₂SO₄, then measuring the resulting absorbance at 450 nm. Negative control is 66008-4-Ig.



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using Biotin DYKDDDDK tag antibody (Biotin-66008-4, Clone: 8H6A10) at dilution of 1:600 and Alexa Fluor 488 Streptavidin.