

For Research Use Only



CoraLite® Plus 555-conjugated DYKDDDDK tag Recombinant monoclonal antibody (Binds to FLAG® tag epitope)

Catalog Number: CL555-80801-2

Basic Information

Catalog Number:

CL555-80801-2

GenBank Accession Number:

GeneID (NCBI):

Size:

100ul, Concentration: 1000 ug/ml by
Nanodrop;

UNIPROT ID:

FLAGTAG

Full Name:

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2329

Purification Method:

Protein A purification

CloneNo.:

240568A11

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima

wavelengths:

554 nm / 570 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

recombinant protein

Positive Controls:

IF/ICC : Transfected HEK-293T cells,

Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. The DYKDDDDK(FLAG) peptide has been used extensively as a general tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. N-terminal DDDDK vectors provide an Ek cleavage site for removal of the fusion tag. The DDDDK peptide is likely to be located on the surface of a fusion protein because of its hydrophilic nature. As a result, the DDDDK peptide is more likely to be accessible to antibodies. A DDDDK-tag can be used in many different assays that require recognition by an antibody, such as western blotting, immunocytochemistry, immunoprecipitation, flow cytometry, protein purification, and in the study of protein-protein interactions, cell ultrastructure, and protein localization and so on. This antibody is a rabbit recombinant antibody raised against 3xFlag (3xDYKDDDDKT) sequence and recognizes the (1x) and (3x)DYKDDDDK peptide and detects DDDDK-tagged proteins. 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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in USA), or 1(312) 455-8498 (outside USA)

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W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed Transfected HEK-293T cells using CoraLite®
Plus 555 DYKDDDK tag antibody (CL555-80801-2,
Clone: 240568A11) at dilution of 1:200.