

CoraLite[®] Plus 750-conjugated DYKDDDDK tag Polyclonal antibody (Binds to FLAG[®] tag epitope)

Catalog Number: **CL750-20543**

Basic Information

Catalog Number:

CL750-20543

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2329

GenBank Accession Number:**GeneID (NCBI):**

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Full Name:

Flag Tag

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:16000

FC (Intra): 0.40 ug per 10⁶ cells in a
100 µl suspension**Excitation/Emission maxima
wavelengths:**

755 nm / 780 nm

Applications

Tested Applications:

WB, FC (Intra)

Species Specificity:

recombinant protein

Positive Controls:

WB : Transfected HEK-293 cells,

FC (Intra) : Transfected HEK-293 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 polyclonal 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:

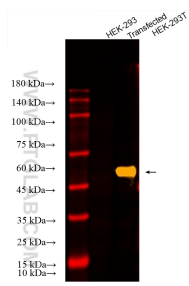
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

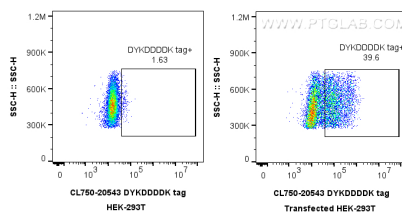
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-20543 (DYKDDDDK tag antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



1x10⁶ Transfected HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 750-conjugated DYKDDDDK tag Polyclonal antibody (Binds to FLAG® tag epitope) (CL750-20543)(red). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).