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# Anti-DDDDK Tag Mouse Monoclonal Antibody (1B10)

Cat #: ABT2010 Size: 50μl/200μl/200μl×5

## Product Information

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| | **Product Name:** Anti-DDDDK Tag Mouse Monoclonal Antibody (1B10) | | |
| | **Applications:** WB, IF, IP | | **Isotype:** Mouse IgG |
| | **Reactivity:** Mammals, Bacteria | | |
| REF | **Catalog Number:** ABT2010 | LOT | **Lot Number:** Refer to product label |
| | **Formulation:** Liquid solution | | **Concentration:** 1 mg/ml |
| | **Storage:** Store at -20°C. Avoid repeated freeze / thaw cycles. | | **Note:** Contain sodium azide. |

**Background:** The DYKDDDDK peptide (Flag-tag) is a polypeptide protein tag that can be added to a protein using recombinant DNA technology. It can be used for affinity chromatography, and then used to separate recombinant, over expressed protein from wild-type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:10000), IF (1:4000), IP (1:400).

**Storage Buffer:** Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

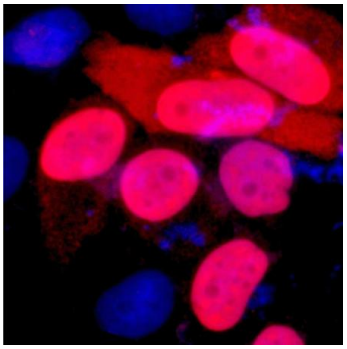

Fig.1. Immunofluorescence staining (1:4000) of Flag fusion protein in 293 cells and counterstained with DAPI.

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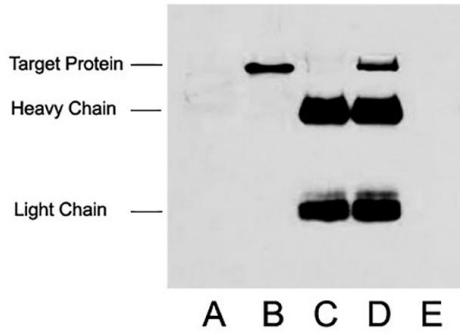
|  | Fig.2. IP (1:400)-WB (1:10000) analysis of Flag fusion protein expression in 293 cells. Untransfected 293 cell lysate (lane A), transfected 293 cell lysate with Flag-tag protein (lane B), IP transfected 293 with normal Mouse IgG and Protein G agarose (lane C), IP transfected 293 with Anti Flag tag mAb and Protein G agarose (lane D), and IP transfected 293 with only Protein G agarose (lane E). |