

Mouse anti DDDDK-Tag Monoclonal Antibody

CABE005

Description

This Mouse anti DDDDK-Tag Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABE005
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	DDDDK, DDDDK tag, DDDDK-tag
Clone:	AMC0382
Applications:	WB IF/ICC IP ELISA FC (intra)
Conjugation:	Unconjugated
Reactivity:	Species independent

Antibody Data

Gene ID:	-
Uniprot:	AB_2770401
Host Species:	Mouse
Purification:	Affinity purification
Observed MW:	37kDa/48kDa/57kDa/70kDa
Calculated MW:	-

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.

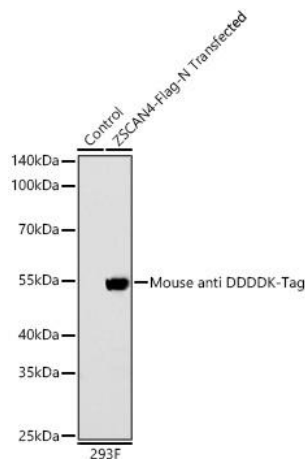
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: 293T transfected with SERPINB1-DDDDK Tag (Human)

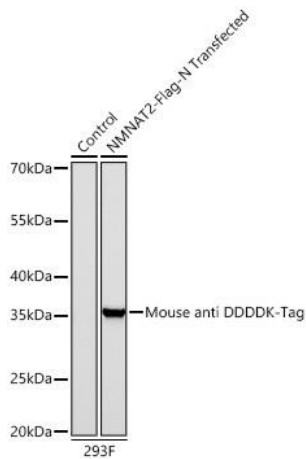
Recommended Dilutions:	WB	1:10000 - 1:80000
	IF/ICC	1:200 - 1:800
	IP	0.5µg-4µg antibody for 100µg-200µg extracts of whole cells
	FC	(intra) 5 µl per 10 ⁶ cells in 100 µl volume
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

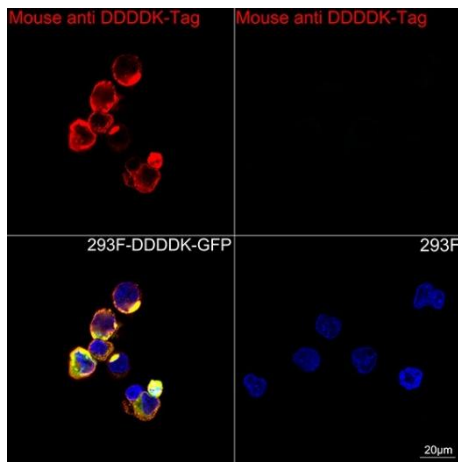
Validation Data



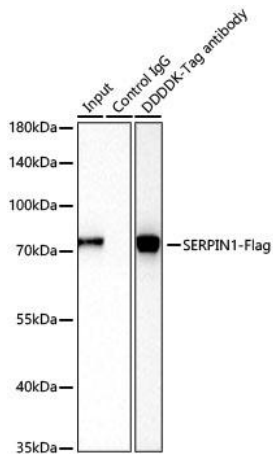
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with Mouse anti DDDDK-Tag using Mouse anti DDDDK-Tag mAb (CABE005) at 1:20000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L)(CABS003) at 1:10000 dilution. Lysates/proteins: 20 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 45s.



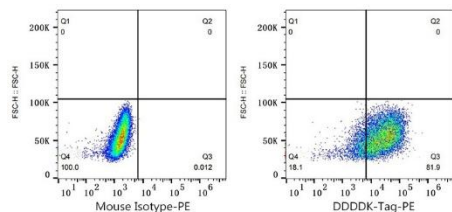
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Confocal imaging of 293F cells transfected with DDDDK-Tag using Mouse anti DDDDK-Tag mAb (CABE005, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (CABS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation of SERPINB1-Flag from 150 µg extracts of 293T cells transfected with a SERPINB1 expression vector containing a single N-terminal DDDDK-Tag was performed using 0.5 µg of Mouse anti DDDDK-Tag mAb (CABE005). Mouse IgG isotype control (CABC011) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10 % of the total input. Western blot analysis of immunoprecipitates was conducted using Mouse anti DDDDK-Tag mAb (CABE005) at a dilution of 1:5000.



Flow cytometry: 1X10⁶ CHO-Claudin18.2-Flag (Transfection, right) cells were intracellularly-stained with Mouse isotype control (2 µg/mL, left) or Mouse anti DDDDK-Tag mAb (CABE005, 2 µg/mL, right), followed by PE Goat anti-Mouse pAb staining.