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Anti-DDDDK Tag Mouse Monoclonal Antibody (1B10), Agarose

Cat #: A02010AGB Size: 100μl /400μl /2ml

Product Information

	Product Name: Anti-DDDDK Tag Mouse Monoclonal Antibody (1B10), Agarose		
	Applications: IP		**Isotype:** Mouse IgG1
REF	**Catalog Number:** A02010AGB	LOT	**Lot Number:** Refer to product label
	Storage: Store at 4°C. Avoid freeze-thaw or vortex.		**Note:** Contain sodium azide.
	Formulation: Over 2 mg of Antibody coupled to 1 ml of packed Agarose.		

Product Description: Anti-DDDDK Tag Agarose are prepared by covalently coupling Anti-DDDDK Tag Mouse Monoclonal Antibody to Agarose, useful for detection and capture of fusion proteins containing a DDDDK peptide sequence by commonly used immunoprecipitation procedures. The coupling technique is optimized to give a high binding capacity for DDDDK-tag protein.

Storage Buffer: 50% gel slurry suspended in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative.

Storage instructions: Stable for one year at 4°C from date of shipment. Avoid freeze-thaw or vortex.

Shipping: Gel pack with blue ice.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

Suggested Procedure

Agaroses Preparation (Repeat for three times)

1. Transfer the appropriate amount of Agaroses (20 μL Agaroses for each sample) into a 1.5 ml microfuge tube .
2. Centrifugate at 4°C, 5000 *rpm* for 30s and remove the storage buffer.
3. Resuspend the Agaroses with 1 mL ice-cold 1×TBS.
4. Centrifugate at 4°C, 5000 *rpm* for 30s and remove the supernatant.

Note: For multiple samples, it is recommended to prepare the Agaroses first, and then aliquot into each microfuge tube.

Sample preparation

1. Collect 2×10^6 cells and wash with PBS for three times.
2. Resuspend cells in 400 μL ice-cold lysis buffer [50 mM Tris (pH 7.5), 150 mM NaCl, 0.05% NP-40], then sonicate briefly (up to 10s).

3. Centrifugate 12000*g* for 5 minutes at 4°C and collect the supernatant.

Binding protein

1. Add 400 μL cell lysate to Agaroses.
2. Mix thoroughly and incubate at 4°C for 1-2 h.

Wash (Repeat 3-5 times until OD280 of the supernatant is lesser than 0.05)

1. Centrifugate at 4°C, 5000 *rpm* for 30s and remove the supernatant to collect the mixture.
2. Resuspend the mixture with 1 mL ice-cold 1×TBS and incubate it at 4°C for 1-3 minutes.
3. Centrifugate at 4°C, 5000 *rpm* for 30s and remove the supernatant. (Or save the supernatant for further analysis)

Note: Avoid losing Agaroses during wash step.

Elution

For SDS-PAGE detection -- Add 50 μL 1×protein sample buffer to the above obtained precipitate, and then boil for 5 min. Cool to room temperature.

For other assay -- Add 2 volumes (vs Agaroses volume) elution buffer [0.1 M -0.2 M Glycine pH 2.5-3.1 (or 0.1 M citric acid, pH 2.5-3.1 or 2.5% Acetic Acid)] to the above obtained precipitate, and incubate at least 2 minutes to collect elution fraction. (Repeat for three times).