



Product Information Sheet

Monoclonal Anti- γ -Adaptin

Catalogue No. MA1113

Lot No. 08A12

Clone: IMD-113

Ig type: mouse IgG2b

Size: 100 μ g/vial

Specificity

Human, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

To reorder contact us at:

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Toll Free: 1(866)964-2589

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Immunogen

AP-1 adaptor from bovine brain.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 2-4 μ g/ml with the appropriate system to detect γ -Adaptin in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100 μ g/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Adaptins are important components of heterotetrameric adaptor complexes (APs) whose role is to promote the formation of clathrin-coated pits and vesicles. The AP-1 adaptor, localized at the trans-Golgi network, is composed of 2 approximately 100-kD subunits, beta-prime-adaptin and gamma-adaptin. The predicted 825-amino acid protein shares 99% identity with mouse gamma-adaptin. Northern blot analysis revealed that gamma-adaptin was expressed as a 7.5-kb transcript in all human tissues tested. Human gamma-adaptin gene (ADTG) is assigned to 16q23.

REFERENCE

Peyrard, M.; Parveneh, S.; Lagercrantz, S.; Ekman, M.; Fransson, I.; Sahlen, S.; Dumanski, J. P. : Cloning, expression pattern, and chromosomal assignment to 16q23 of the human gamma-adaptin gene (ADTG). *Genomics* 50: 275-280, 1998.