Developmental Studies Hybridoma Bank

dshb.biology.uwiowa.edu | dshb@uiowa.edu | phone: 319.335.3826 | fax: 319.359.4079

193E11E5B11

Antigen: 30S Ribosomal protein S13 (E. coli)

Allow Hybridoma Distribution (non-profit): Yes

Antigen Species: E. coli

Contributor: Kahan, L.

Isotype: MIgG1

Antigen Sequence: residues 84-117

Host Species: mouse

Depositor Institution: University of Wisconsin-Madison, Dept. of Biomolecular Chemistry

Positive Tested Species Reactivity: E. coli

Depositor Notes (Special Instructions): This antibody is also known as anti-Rps13/uS13.

Antigen Molecular Weight: 13 kDA

Human Protein Atlas:

Gene: rpsM

Immunogen: Purified 30S ribosomal subunit 13

Alternate Gene Name(s): b3298, JW3260

Alternate Name:

Clonality: Monoclonal

Alternate Antigen Name:

Epitope Mapped: Yes

Myeloma Strain: NS1

Epitope Location or Sequence: a.a. 84-117

Uniprot Id: P0A7S9

Immunogen Sequence: Full length protein

Entrez Gene ID: 947791

Additional Characterization:

Antibody Registry ID: AB_2618084

Additional Information: RRID:AB_2618084

Recommended Applications:

- ELISA
- Immunoprecipitation
- Western Blot

Product Storage Recommendations:

Although many cell products are maintained at 4°C for years without loss of activity, shelf-life at 4°C is highly variable. For immediate use, short term storage at 4°C up to two weeks is recommended. For long term storage, divide the solution into volumes of no less than 20 ul for freezing at -20°C or -80°C. The small volume aliquot should provide sufficient reagent for short term use. Freeze-thaw cycles should be avoided. For concentrate or bioreactor products, an equal volume of glycerol, a cryoprotectant, may be added prior to freezing.

Usage Recommendations:

The optimal Ig concentration for an application varies by species and antibody affinity. For each product, the antibody titer must be optimized for every application by the end user laboratory. A good starting concentration for immunohistochemistry (IHC), immunofluorescence (IF), and immunocytochemistry (ICC) when using mouse Ig is 2-5 ug/ml. For western blots, the recommended concentration range of mouse Ig 0.2-0.5 ug/ml. In general, rabbit antibodies demonstrate greater affinity and are used at a magnitude lower Ig concentration for initial testing. The recommended concentrations for rabbit Ig are 0.2-0.5 ug/ml (IF, IHC and ICC) and 20-50 ng/ml (WB).

We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used: The (select: hybridoma, monoclonal antibody, or protein capture reagent,) developed by Investigator(s) or Institution] was obtained from the Developmental Studies Hybridoma Bank, created by the NICHD of the NIH and maintained at The University of Iowa, Department of Biology, Iowa City, IA 52242.

Please send copies of all publications resulting from the use of Bank products to:

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dshb@uiowa.edu

Department of Biology

The University of Iowa

028 Biology Building East, Iowa City, IA 52242