



61BG1.3

Antigen: Gingipain/ *P. gingivalis* hemagglutinin

Alternate Antigen Name:

Antigen Sequence:

Antigen Molecular Weight: Apparent: multiple bands between 31 and 65 kDa, two bands around 14 kDa, and higher MW bands at 113

Antigen Species:

Depositor: Gmuer, R.

Depositor Institution: Institute of Oral Biology, ZZMK, University of Zuerich

Depositor Email Address:

Depositor Website:

Clonality: Monoclonal

Gene: rgpA/kgp/hagA

Alternate Gene Name(s):

Entrez Gene ID: 2552074 29256891 2551934

Antibody Registry ID: AB_10568665

Uniprot ID: Q51838 Q51817 P59915

Immunogen : Formalinized *Porphyromonas gingivalis*, strain W83

Immunogen Sequence: Full length protein

Epitope Mapped: Yes

Epitope Sequence: beta adhesin domain of protease RI, aa 907-331 of prepro-prpR1 [Uniprot: Q51838]

Myeloma Strain: F0

Isotype: MIgG1

Date Deposited: 3/11/2010

Hybridomas available: No

Immunoblotting: yes

Host Species: mouse

Positive Species Reactivity: *Porphyromonas gingivalis*

Recommended Applications:

ELISA, FFPE, Function Blocking, Immunofluorescence, Immunohistochemistry, Western Blot

Depositor's notes on this product:

This antibody is species specific and recognizes the hemagglutinating proteases present on all tested strains of *Porphyromonas gingivalis*. The hemagglutinins recognized by 61BG1.3 include RgpA (Gingipain R1; also known as prpR1 or hemagglutinin HagE), Kgp (Lys-gingipain) and HagA (Hemagglutinin A).

Additional Information:

Cell lines will be distributed only with written consent from the director of the Institute of Oral Biology, University of Zuerich, Zuerich, Switzerland. Contact the DSHB for details (dshb@uiowa.edu).

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.

To ensure retention of antibody activity, we recommend aliquotting the product into two parts:

- 1) a volume of antibody stored at 4°C to be used within two weeks.
- 2) the remaining product diluted with an equal volume of molecular grade glycerol and stored at -20°C.

Usage Recommendations

While optimal Ig concentration for an application will vary, a good starting concentration for immunohistochemistry (IHC), immunofluorescence (IF) and staining is 2-5 µg/ml.

For Western blots, the concentration is decreased by one order of magnitude (that is, 0.2-0.5 µg/ml).

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.

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The University of Iowa

028 Biology Building East, Iowa City, IA 52242

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