



## DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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### H18G8

(Only cell products will be distributed.)

#### INVESTIGATOR

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#### IMMUNOGEN

**Substance** DEAE-sephadex, NaCl eluted fraction of ammonium sulfate cut of rabbit skin conditioned medium  
**Name**  
**Origin** New Zealand white rabbit, female  
**Chemical Composition** both proenzyme & active enzyme were included in immunogen mix at concentration 100X over medium  
**Developmental Stage** adult

#### IMMUNIZATION PROTOCOL

##### Donor Animal

**Species** mouse  
**Strain** Balb/C  
**Sex** female  
**Organ and tissue** spleen

##### Immunization

**Dates immunized** 3/30/87; 4/13/87; 5/21/87  
**Amount of antigen** 100 µg per injection  
**Route of immunization** intraperitoneal  
**Adjuvant** Freund's; complete for first; incomplete for others

#### FUSION

**Date** 06/01/87  
**Myeloma cell line**  
**Species** mouse  
**Designation** P3-X63-Ag8

#### MONOCLONAL ANTIBODY

**Isotype** IgG1  
**Specificity**  
**Cell binding**  
**Immunohistology**  
**Antibody competition**  
**Species Specificity** rabbit, human, bovine, dog, and possibly rat. antibody recognizes both proenzyme and active enzyme

#### ANTIGEN

**Chemical properties**  
**Molecular weight** proenzyme, 57, 53 kDa; active enzyme 47, 43 kDa  
**Characterization**  
**Immunoprecipitation** yes  
**Immunoblotting** yes  
**Purification** yes, can be coupled to a matrix for affinity purification of enzyme  
**Amino acid sequence analysis**  
**Functional effects**  
**Immunohistochemistry** works well on rabbit or human fibroblasts using biotinylated secondary antibody and tertiary signal such as Texas Red streptavidin; fixation should be paraformaldehyde or acetone, also works on tissue sections.

#### PUBLICATIONS :

Werb, Z., Tremble, P.M., Behrendtsen, O., Crowley, E., and Damsky, C.H. (1989). Signal transduction through the fibronectin receptor induces collagenase and stromelysin gene expression. J. Cell Biol. 109, 877-889.



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### ACKNOWLEDGMENTS STATEMENT

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