



DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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4F12

(only cell products will be distributed.)

INVESTIGATOR

Name Kermit L. Carraway

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IMMUNOGEN

Substance

Name sialomucin complex (rat Muc 4)

Origin 13762 ascites rat mammary adenocarcinoma

Chemical Composition glycoprotein

Developmental Stage

IMMUNIZATION PROTOCOL

Donor Animal

Species mouse

Strain balb/c

Sex female

Organ and tissue spleen

Immunization

Dates immunized

Amount of antigen 50 µg

Route of immunization IP

Adjuvant Titre-Max

FUSION

Date

Myeloma cell line

Species mouse

Designation p 3 x 63 Ag8

MONOCLONAL ANTIBODY

Isotype

IgG1

Specificity

Cell binding 13762 ascites cells

Immunohistology epithelial tissues

Antibody competition not tested

Species Specificity

rat > mouse > human

ANTIGEN

Chemical properties

glycoprotein

Molecular weight

>500,000 Da

Characterization

Immunoprecipitation yes

Immunoblotting yes

Purification yes

Amino acid sequence analysis yes

Functional effects

not known

Immunohistochemistry

yes

PUBLICATIONS :

Rossi, E.A., McNeer, R.R., Price-Schiavi, S.A., Van den Brande, J.M.H., Komatsu, M., Thompson, J.F., Carraway, C.A.C., Fregien, N.L., and Carraway, K.L. (1996). Sialomucin complex, a heterodimeric glycoprotein complex. *J. Biol. Chem.* 271(52), 33476-33485.

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4F12 (continued)

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ACKNOWLEDGMENTS STATEMENT

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