



DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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A21F7

INVESTIGATOR

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IMMUNOGEN

Substance

Name integrin $\alpha 5$ subunit

Origin denatured chicken $\alpha 5$

Chemical Composition

Developmental Stage 11-day chicken embryo

IMMUNIZATION PROTOCOL

Donor Animal

Species mouse

Strain BALB/c

Sex female

Organ and tissue spleen

Immunization

Dates immunized

Amount of antigen 10-25 $\mu\text{g}/\text{mouse}$

Route of immunization IP

Adjuvant Freund's complete/incomplete

FUSION

Date IgG1, kappa light chain

Myeloma cell line

Species mouse

Designation SP2/0

MONOCLONAL ANTIBODY

Isotype

Specificity

Cell binding

Immunohistology

Antibody competition

Species Specificity avian

ANTIGEN

Chemical properties

Molecular weight 150 kDa

Characterization

Immunoprecipitation

Immunoblotting yes

Purification

Amino acid sequence analysis

Functional effects

Immunohistochemistry chick myoblast in culture and chicken sections

PUBLICATIONS :

Muschler, J., and Horwitz, A.F. (1991). Down regulation of the chicken $\alpha 5 \beta 1$ integrin fibronectin receptor during development. Development 113, 327-337.

Lakonishok, M., Muschler, J., and Horwitz, A.F. (1992). The $\alpha 5 \beta 1$ integrin associates with a dystrophin containing lattice during muscle development. Dev. Biol. 152, 209-220.



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