DATASHEET

Avian Leukosis Virus Subgroup J (ALV-J) Env Protein Mouse Monoclonal Antibody (3B3)

CAT. NO. AXA0053

KEY FEATURES

Target	ALV-J Env Protein	**Source / Host**	Mouse
Reactivity	ALV-J Env Protein	**Clonality**	Monoclonal
Applications	WB,IFA,IP,Neutralization	**Storage**	at -20°C

BACKGROUND

Avian leukosis virus subgroup J (ALV-J) is an oncogenic retrovirus that causes myeloid leukosis and other tumors in chickens, resulting in significant economic losses in poultry production. The viral envelope glycoprotein (Env) mediates receptor binding and membrane fusion and is a major target of neutralizing antibodies, making it an important antigen for diagnostic and vaccine research.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	Dilution Ratio
WB	1:200-1:1000
IFA	1:500-1:1000
IP	Assay-dependent
Neutralization	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse Monoclonal antibody to ALV-J Env Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Reactivity demonstrated with ALV-J GY03-infected DF-1 cells by immunofluorescence and Western blot. The antibody neutralizes ALV-J GY03 and immunoprecipitates the Env protein.
Immunogen	ALV-J Env Protein
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	ALV-J Env; Avian Leukosis Virus Subgroup J Envelope Protein; ALV-J envelope glycoprotein

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

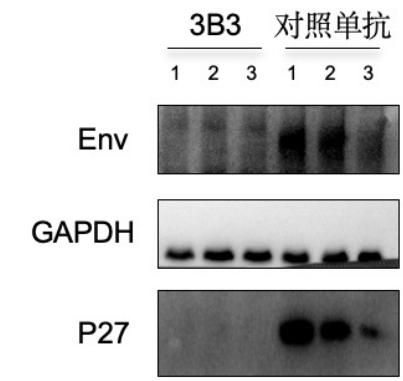
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

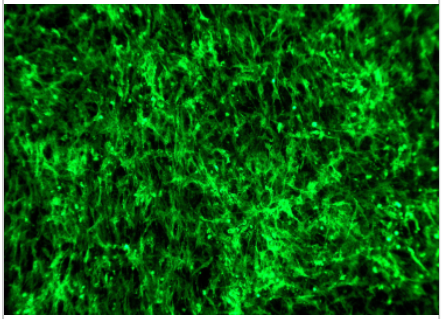
Avian Leukosis Virus Subgroup J (ALV-J) Env Protein Mouse Monoclonal Antibody (3B3)

CAT. NO. AXA0053

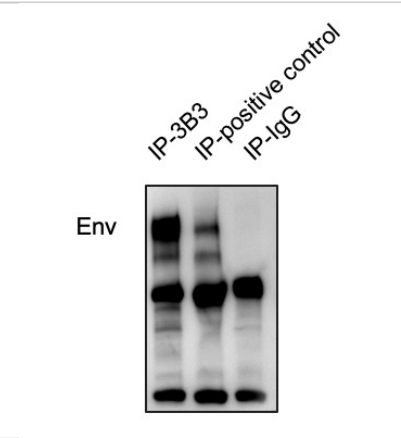
DATA



Western blot analysis of ALV-J GY03-infected DF-1 cells with Avian Leukosis Virus Subgroup J (ALV-J) Env Protein Mouse Monoclonal Antibody (3B3). GAPDH and P27 were used as loading and viral controls, respectively.



Immunofluorescence analysis of ALV-J GY03-infected DF-1 cells with Avian Leukosis Virus Subgroup J (ALV-J) Env Protein Mouse Monoclonal Antibody (3B3) at 1:1000 dilution.



Immunoprecipitation of ALV-J Env protein from ALV-J GY03-infected DF-1 cells with Avian Leukosis Virus Subgroup J (ALV-J) Env Protein Mouse Monoclonal Antibody (3B3).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.