



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human Papillomavirus 11 Protein E7

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03400

Target Species
Viral

Isotype
IgG1

Preparation

Immunogen: Protein E7 from human papillomavirus 11.

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Buffer: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentration: IgG concentration 1.0mg/ml

Specificity

DS-MB-03400 recognizes the E7 protein of human papilloma virus 11. Human papillomavirus (HPV) is a diverse group of DNA-based viruses that infect skin and mucous membranes of humans and animals. Type 11 HPV is a low risk type that causes anogenital warts and is not linked with cervical cancer. In rare cases HPV-11 may cause respiratory papillomatosis, where warts form on the larynx or other areas of the respiratory tract. The viral protein E7 binds to Rb (retinoblastoma protein) and histone deacetylases, resulting in activation of the E2F genes, which code for a family of transcription factors. This binding is of much lower affinity than the high-risk HPV E7 proteins. The viral proteins E6 and E7 might be of particular interest in the development of therapeutic vaccines, since they are expressed early in viral infection.

DS-MB-03400 cross-reacts minimally with the E7 protein of HPV-16 and HPV-18.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting	•			
IHC – Paraffin			•	
IHC - Frozen			•	
Flow Cytometry			•	
Functional Assays			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Shelf Life: 18 months from date of shipment

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