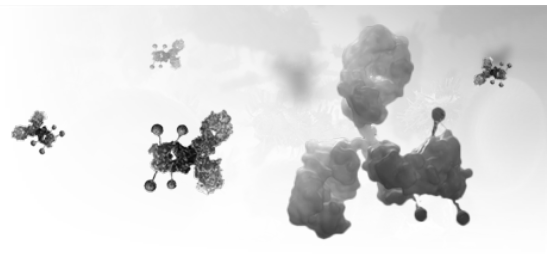

HPV type 16 L1 Protein (DAG439)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Papilloma Virus Type 16 antigen, contains the L1 antigen of HPV16, was expressed in Hansenula polymorpha, and puried in vitro using conventional chromatography techniques.
Antigen Description	L1 is a major capsid protein of type 16 human papilloma virus. Infection with specific types of HPV has been associated with an increased risk of developing cervical neoplasia. HPV types 6 and 11 have been associated with relatively benign diseases such as genital warts but types 16 and 18 are strongly associated with cervical, vaginal, and vulvar malignancies.
Nature	Recombinant
Expression System	S. cerevisiae
Species	HPV
Purity	> 90% pure (SDS-PAGE). Purification from broken yeast cells by the following scheme: clarification, ammonium sulfate precipitation, ultrafiltration, cation exchange chromatography, zonal centrifugation, size exclusion chromatography and filtration.
Conjugate	Unconjugated
Applications	Specific methodologies have not been tested using this product
Procedure	None
Format	Purified, Liquid
Concentration	0.21 mg/ml
Buffer	0.05M Phosphate, pH 7.2 containing 0.2M Sodium chloride and 0.01% Tween-80
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Human papillomavirus (HPV) is a DNA virus from the papillomavirus family that is capable of infecting humans. Like all papillomaviruses, HPVs establish productive infections only in

	keratinocytes of the skin or mucous membranes. Most HPV infections are subclinical and will cause no physical symptoms; however, in some people subclinical infections will become clinical and may cause benign papillomas (such as warts [verrucae] or squamous cell papilloma), or cancers of the cervix, vulva, vagina, penis, oropharynx and anus.
Keywords	HPV-16; HPV-16 capsid; HPV16 capsid protein; HPV16 L1; HPV16 major capsid protein L1; Human papillomavirus type 16 L1; Human papillomavirus type 16; major capsid protein L1; L1; Major capsid L1 protein; Major capsid protein; Major capsid protein L1; HPV16