

## Adenovirus Type 2 Hexon

Cat.No:DAG4684

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Immunogen</b>	Adenovirus Type 2 Hexon - Strain Adenoid 6
<b>species</b>	Adenoviruses
<b>Applications</b>	By SDS-PAGE and ELISA
<b>Storage</b>	-20° C to -80°C. Avoid repeated freeze-thaw cycles
<b>Antigen Description</b>	In molecular biology, the hexon protein is a major coat protein found in Adenoviruses. Hexon coat proteins are synthesised during late infection and form homo-trimers. The 240 copies of the hexon trimer that are produced are organised so that 12 lie on ea
<b>Buffer</b>	The antigen is presented in 30 mM Bis-Tris buffer at pH 6.8 containing sodium chloride.
<b>Source</b>	Hep-2 cell culture
<b>Shipping</b>	10 years from manufacture
<b>Description</b>	Harvested infected cells are lysed, solvent treated to remove cellular components and ultracentrifuged to remove whole virus particles. Hexon antigen is purified from the centrifugation supernatant by ion exchange chromatography.
<b>Inactivation</b>	Whole infective virus particles are removed by ultracentrifugation and chromatography. Inactivity is confirmed by attempted growth under original culture conditions. Since no procedure can guarantee absolute sterility, the reagent should be handled wi

### Background

<b>Introduction</b>	Adenoviruses are DNA viruses generally widespread in nature that are frequently the cause of acute upper respiratory tract infections (i.e. common colds). Forty-seven known serotypes have been isolated since they were first discovered in 1953 with 3 types known to cause gastroenteritis. Several types have oncogenic potential though most cause self-limiting febrile illnesses characterised by inflammation of conjunctivae and the respiratory tract. The virus can be isolated from the majority of tonsils/adenoids surgically removed, indicating latent infections. It is not known how long the virus can persist in the body, or whether it is capable of reactivation after long periods. In patients experiencing immunosuppression (e.g. AIDS) it can be reactivated causing disease.
<b>Keywords</b>	Adenovirus; Adenoviridae; Adenovirus; ADENOVIRUS; ADENOVIRUS F; Hexon protein; Adenovirus Type 2 Hexon