Product datasheet

Anti-Adenovirus hexon protein antibody [1E11] ab8251

2 Abreviews  5 References

Overview

Product name                   Anti-Adenovirus hexon protein antibody [1E11]
Description                    Mouse monoclonal [1E11] to Adenovirus hexon protein
Host species                   Mouse
Specificity                    The antibody cross reacts with serotypes 1, 5, 7, 8, 12, 27 and 42. Isotype is a mixture of IgG2a and IgM.
Tested applications            Suitable for: IHC-P, Sandwich ELISA, ELISA, Immunodiffusion
Immunogen                     Hexon antigen of human and canine adenovirus (type 1)
General notes                  This antibody clone is biclonal, consisting of IgG2a and IgM isotypes.
                                Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.

Properties

Form                           Liquid
Storage instructions           Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer                 PBS with 0.1% sodium azide, pH 7.4
Purity                         Protein A purified
Purification notes             Purified by chromatography on protein A Sepharose. Purity is tested by electrophoresis.
Clonality                      Monoclonal
Clone number                   1E11
Isotype                        IgG2a

Applications

Our Abpromise guarantee covers the use of ab8251 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Hexon protein** is a major coat protein of adenoviruses. Adenovirus capsids have three principal protein components: the hexon, the penton, and the fiber. Hexon consists of three subunits together forming two major components of different morphological symmetry. A triangular top with three towers of density is superimposed on a more bulky pseudo hexagonal base. The symmetry of the top is in accord with the trimeric nature of hexon, but that of the base derives from the molecular function, which is to provide a densely packed impenetrable protective outer layer for the virion.

**Cellular localization**

Major coat protein of adenoviruses.

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**Application notes**

ELISA: Use at an assay dependent concentration.
ID: Use at an assay dependent concentration.
sELISA: Use at an assay dependent dilution. Recommended for use as an ELISA pair with ab8249 (8C4)

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**Target**

**Relevance**

Hexon protein is a major coat protein of adenoviruses. Adenoviruses capsids have three principal protein components: the hexon, the penton, and the fiber. Hexon consists of three subunits together forming two major components of different morphological symmetry. A triangular top with three towers of density is superimposed on a more bulky pseudo hexagonal base. The symmetry of the top is in accord with the trimeric nature of hexon, but that of the base derives from the molecular function, which is to provide a densely packed impenetrable protective outer layer for the virion.

**Cellular localization**

Major coat protein of adenoviruses.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"