Product datasheet

Anti-Rubella Virus capsid antibody [9B11] ab34749

Overview

Product name: Anti-Rubella Virus capsid antibody [9B11]
Description: Mouse monoclonal [9B11] to Rubella Virus capsid
Host species: Mouse
Tested applications: Suitable for: Indirect ELISA, WB
Species reactivity: Reacts with: Rubella virus
Immunogen: Recombinant full length protein corresponding to Rubella Virus capsid.
General notes: This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR120838-1 and GR210838-5 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Preservative: 0.1% Sodium Azide
Constituents: PBS, pH 7.4
Purity: Protein A purified
Clonality: Monoclonal
Clone number: 9B11
Myeloma: Sp2/0
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab34749 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Rubella virus is the only member of the Rubrivirus genus of the Togavirus family. Unlike most Togaviruses, it is not arthropod borne, but is acquired via the respiratory route. It causes German measles (a mild contagious eruptive disease, capable of producing congenital defects in infants born to mothers infected during the first three months of pregnancy). Rubella virus is an enveloped positive-strand RNA virus. The genome encodes two open reading frames (ORFs): the 5'-proximal ORF encodes viral nonstructural proteins (NSP) that are responsible for viral genome replication, while the 3'-proximal ORF encodes three virion structural proteins (SP), the capsid protein (CP), and the two envelope glycoproteins, E2 and E1. During virus assembly, the capsid interacts with genomic RNA to form nucleocapsids. The rubella virus (RV) structural proteins: capsid, E2, and E1 are synthesized as a polyprotein precursor. The signal peptide that initiates translocation of E2 into the lumen of the endoplasmic reticulum remains attached to the carboxy terminus of the capsid protein after cleavage by signal peptidase.

**Cellular localization**
Cytoplasmic in host cells concentrated around Golgi region and mitochondrion.

**Images**

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Western blot - Anti-Rubella Virus capsid antibody [9B11] (ab34749)

**All lanes**: Anti-Rubella Virus capsid antibody [9B11] (ab34749) at 1 µg/ml

**Lane 1**: Prestained M.Wt markers

**Lane 2**: crude yeast cell lysate [mock control]

**Lanes 3-4**: irrelevant viral proteins

**Lane 5**: recombinant purified rubella capsid protein

**Lane 6**: crude lysate of transformed yeast cells expressing rubella capsid protein

**Predicted band size**: 115 kDa

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

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