

Anti-Laminin gamma 1 antibody [BC17] α b41823

1 References

Overview

Product name	Anti-Laminin gamma 1 antibody [BC17]
Description	Mouse monoclonal [BC17] to Laminin gamma 1
Host species	Mouse
Specificity	The antibody recognizes the gamma 1 chain of human reduced and alkylated laminin produced by various cultured cells, which produce laminins complexed with it. The specificity of clone BC17 has been confirmed by immunoprecipitation and ELISA by using recombinant Laminin gamma 1.
Tested applications	Suitable for: ELISA, IHC-Fr, IP Unsuitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Pepsin-digested laminin from human placenta.
General notes	Balb/c spleen cells used to produce hybridoma.

The monoclonal antibody BC17 against Laminin gamma 1 can be widely applied in immunohistochemical studies as all basement membranes contain laminin trimers containing this chain. Antibodies to laminin chains are useful in basic biology studies as well as in pathological studies concerning e.g. the integrity of the basement membranes in carcinomas.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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 long term.
Storage buffer	pH: 7.3 Preservative: 0.1% Sodium azide

	Constituents: PBS, 1% BSA
Purity	Protein G purified
Primary antibody notes	The monoclonal antibody BC17 against Laminin gamma 1 can be widely applied in immunohistochemical studies as all basement membranes contain laminin trimers containing this chain. Antibodies to laminin chains are useful in basic biology studies as well as in pathological studies concerning e.g. the integrity of the basement membranes in carcinomas.
Clonality	Monoclonal
Clone number	BC17
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab41823 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

Application notes Is unsuitable for WB.

Target

Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.
Tissue specificity	Found in the basement membranes (major component).
Sequence similarities	Contains 11 laminin EGF-like domains. Contains 1 laminin IV type A domain. Contains 1 laminin N-terminal domain.
Domain	The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure. Domains VI and IV are globular.
Cellular localization	Secreted > extracellular space > extracellular matrix > basement membrane.

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