

Datasheet for ABIN2192147

anti-BCR antibody**5** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BCR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BCR antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoassay (IA)

Product Details

Clone:	CML26
Isotype:	IgG1
Cross-Reactivity (Details):	Cross reactivity: Multispecies : Yes
Sterility:	0.2 µm filtered

Target Details

Target:	BCR
Alternative Name:	Cml (BCR Products)
Background:	The monoclonal antibody CML26 recognizes human CML (carboxymethyl-lysine). CML is known to be formed from the oxidation of both carbohydrates and lipids. This makes CML a biomarker of general oxidative stress. Carboxymethyl-lysine (CML) is a well-characterized

Target Details

glycoxidation product that accumulates in tissues with age, and its rate of accumulation is accelerated in diabetes. Glycoxidation products are a subset of advanced glycation endproducts (AGEs) that are formed by the nonenzymatic glycation and subsequent irreversible oxidation of proteins. Oxidative stress and protein modification have been implicated in the pathogenesis of the chronic complications of diabetes, including nephropathy and atherosclerosis. The accumulation of CML in long-lived tissue such as skin collagen reflects oxidative stress over an extended period of the life-span, and has been shown to be greater in patients with diabetic complications than those without complications. Immunogen CML-KLH

Pathways: [Regulation of Leukocyte Mediated Immunity, Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: For immunohistochemistry, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. For functional studies, in vitro dilutions have to be optimized in user's experimental setting. Positive Intramyocardial arteries control

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

Publications

Product cited in: Bruynzeel, Abou El Hassan, Schalkwijk, Berkhof, Bast, Niessen, van der Vijgh: "Anti-inflammatory agents and monoHER protect against DOX-induced cardiotoxicity and accumulation of CML in mice." in: **British journal of cancer**, Vol. 96, Issue 6, pp. 937-43, (2007) ([PubMed](#)).

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Westerhoff, Krab: "Functioning of oxidative phosphorylation in liver mitochondria of high-fat diet fed rats." in: **Biochimica et biophysica acta**, Vol. 1772, Issue 3, pp. 307-16, (2007) ([PubMed](#)).

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Sommeijer, Beganovic, Schalkwijk, Ploegmakers, van der Loos, van Aken, ten Cate, van der Wal: "More fibrosis and thrombotic complications but similar expression patterns of markers for coagulation and inflammation in symptomatic plaques from DM2 patients." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 52, Issue 9, pp. 1141-9, (2004) ([PubMed](#)).