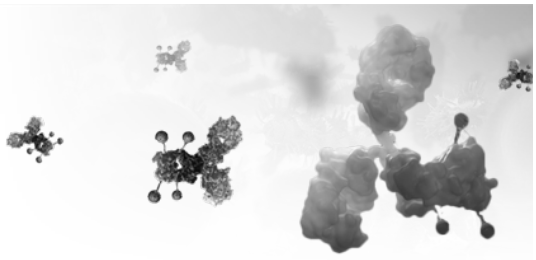

Human Anti-Human CA9 (girentuximab biosimilar) Monoclonal antibody, clone girentuximab (CABT-CS385)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	CA9
Target	CA9
Isotype	IgG1
Source/Host	Chimeric
Species Reactivity	Human
Clone	girentuximab
Purification	Purified from cell culture supernatant by affinity chromatography
Conjugate	unconjugated
Applications	ELISA, FC
Reconstitution	Reconstitute with deionized water
Format	Powder
Size	50 µg, 100 µg
Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Preservative	0.1% Procline 300

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Storage	Store at -20°C (Avoid repeated freezing and thawing)

BACKGROUND

Introduction	Carbonic anhydrase (CA) is an enzyme that assists rapid interconversion of carbon dioxide and water into carbonic acid, protons, and bicarbonate ions. It is abundant in all mammalian tissues. There are many genes that are inducible by hypoxia, via HIF-1 alpha. CA IX is one of the most inducible genes because of its stability and location within the membrane. Carbonic anhydrases have a widespread role in regulating pH in normal tissues, by regulating hydrogen ion (H+) flux. The pH is important in cell death under hypoxia, thus a blockade of CA IX results in increased cell death under hypoxia. Therefore, CA IX has become a reliable histochemical marker of hypoxia.
Keywords	CAIX; MN; CA9

GENE INFORMATION

Entrez Gene ID	768

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