



Human Anti-Human LOXL2 (Simtuzumab) Monoclonal antibody, clone Simtuzumab (CABT-CS588)

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

PRODUCT INFORMATION

Specificity	LOXL2
Target	LOXL2
Isotype	IgG4
Source/Host	Human
Species Reactivity	Human
Clone	Simtuzumab
Purification	Protein A
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4. Contains no stabilizers or preservatives
Preservative	None
Storage	2 weeks, 2-8°C under sterile conditions after reconstitution. Avoid repeated freeze-thaw. -80°C for a long-term storage.

BACKGROUND

Introduction

This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family.

Keywords

LOXL2; lysyl oxidase like 2; LOR2; WS9-14