



Human Anti-Human 4-1BB (utomilumab biosimilar) Monoclonal antibody, clone utomilumab (CABT-CS382)

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

PRODUCT INFORMATION

Specificity	TNFRSF9
Target	TNFRSF9
Isotype	IgG2
Source/Host	Human
Species Reactivity	Human
Clone	utomilumab
Purification	Purified from cell culture supernatant by affinity chromatography
Conjugate	unconjugated
Applications	ELISA
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

Storage

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

BACKGROUND

Introduction

CD137, also known as TNFRSF9 or 4-1BB, is an inducible costimulatory molecule expressed mainly on activated T cells. Its ligand, known as 4-1BBL, is expressed on activated macrophages, mature B cells, hematopoietic stem cells, and myeloid progenitor cells. CD137 signaling leads to maintaining the survival of activated T cells and CD8+ memory T cells, and clonal expansion of T cells, but also to suppressing myelopoiesis and dendritic cell development. Triggered CD137 induces a cytokine release profile regulating peripheral monocyte survival. Soluble forms of CD137 may provide negative control mechanism for some immune responses.

Keywords

TNFRSF9; 4-1BB; CD137; CDw137; ILA

GENE INFORMATION

Entrez Gene ID

3604
