



Human Anti-Human FOLH1 & CD3E (Acapatamab) Monoclonal antibody, clone Acapatamab (CABT-CS605)

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

PRODUCT INFORMATION

Specificity	FOLH1 & CD3E
Target	FOLH1 & CD3E
Isotype	Bispecific scFv;Kappa;Lambda
Source/Host	Human
Species Reactivity	Human
Clone	Acapatamab
Purification	>95%
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	100 µg, 1 mg
Buffer	PBS buffer PH7.5
Preservative	None
Storage	Store at -80°C.

BACKGROUND

Introduction

Human prostate-specific membrane antigen (PSMA), a tumor marker in prostate cancer encoded by the FOLH1 gene, is a type II transmembrane zinc metallopeptidase. PSMA is most highly expressed in the nervous system, prostate, kidney, and small intestine. In the brain, PSMA hydrolyzes the neurotransmitter N-acetyl-Asp-Glu to produce glutamate, another neurotransmitter. Inhibition of brain PSMA activity is considered to be a promising approach for the treatment of neurological disorders associated with glutamate excitotoxicity, such as stroke, chronic pain, and amyotrophic lateral sclerosis. Intestinal PSMA hydrolyzes folylpoly-gamma-glutamates, facilitating the uptake of folate.

Keywords

FOLH1; CD3E; PSM; FGCP; FOLH; GCP2; PSMA; CD3 epsilon