



Rabbit Anti-Mouse Semaphorin 4D monoclonal antibody, clone S117 (CABT-ZB1014)

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

PRODUCT INFORMATION

Specificity	It reacts with Mouse Semaphorin 4D
Target	SEMA4D
Immunogen	Recombinant Mouse Semaphorin 4D/SEMA4D/CD100 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S117
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB682 - CABT-ZB1014 This antibody will detect Semaphorin 4D in antibody pair set. [ABPR-ZB261]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse Semaphorin 4D / SEMA4D / CD100.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Semaphorin 4D (SEMA4D or CD100) is a member of the semaphorin family of proteins and an important mediator of the movement and differentiation of multiple cell types, including those of the immune, vascular, and nervous systems. VEGF and SEMA4D had a positive correlation with the malignant degree of ovarian cancer, and SEMA4D can serve as an independent prognostic factor. SEMA4D was the first semaphorin described to have immune functions and serves important roles in T cell priming, antibody production, and cell-to-cell adhesion. Proteolytic cleavage of SEMA4D from the cell surface gives rise to a soluble fragment of SEMA4D (sSEMA4D). Similar to the transmembranal form, sSEMA4D is thought to have immunoregulatory properties.
Keywords	SEMA4D; sema domain; immunoglobulin domain (Ig); transmembrane domain (TM) and short cytoplasmic domain

GENE INFORMATION

Synonyms	SEMA4D; sema domain; immunoglobulin domain (Ig); transmembrane domain (TM) and short cytoplasmic domain; (semaphorin) 4D; CD100; SEMAJ; coll-4; C9orf164; M-sema-G; semaphorin-4D; A8; GR3; BB18; sema domain; immunoglobulin domain (Ig); transmembrane domain (TM) and short cytoplasmic domain; 4D
Entrez Gene ID	20354
UniProt ID	O09126