

## Semaphorid 4D/CD100 Monoclonal Antibody(Detector)

**catalog number:** AN001640P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

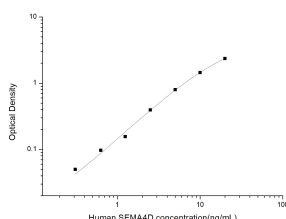
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human Semaphorid 4D/CD100 D protein expressed by Mammalian
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG1
<b>Clone</b>	2D10
<b>Purification</b>	Protein A/G Purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

### Applications

### Recommended Dilution

<b>ELISA Detector</b>	0.1-0.4 µg/mL
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### Data



Sandwich ELISA-Recombinant Human Semaphorin 4D/CD100 D protein standard curve. Background subtracted standard curve using Semaphorin 4D/CD100 antibody(AN000450P)(Capture), Semaphorin 4D/CD100 antibody(AN001640P)(Detector) in sandwich ELISA. The reference range value for Recombinant Human Semaphorin 4D/CD100 D protein is 0.31~20 ng/mL.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

CD100 (also known as SEMA4D), a 150 kDa homodimer, belongs to the family of immune semaphorins, and CD100 is abundantly expressed on resting T cells, NK cells, and antigen-presenting cells. As a transmembrane glycoprotein, it is digested to its soluble form, sCD100, by specific matrix metalloproteinases. CD100 has been reported that the expression levels of CD100, and one of its receptors, plexin-B1 (PLXNB1), are increased in head and neck, prostate, colon, breast, and lung cancers, and the interaction between them provides oncogenic signaling essential for tumor growth and metastasis.

### For Research Use Only