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<b>Catalog Number:</b>	GT15165	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity Purified	<b>Species Reactivity:</b>	Human; Mouse
<b>Immunogen Sequence:</b>	Purified, NS0-derived, recombinant human Semaphorin 6B (rhSema 6B; aa 26 - 603) extracellular domain.	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
<b>Applications:</b>	Immunohistochemistry-10 µg/mL Western Blot-0.1 – 0.2 µg/mL Direct ELISA- 0.5 - 1.0 µg/mL		
<b>Storage:</b>	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

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### Application Notes

#### Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human and mouse Sema 6B. The detection limit for rhSema 6B and rmSema 6B is approximately 0.5 ng/well. In this format, this antibody shows approximately 15% cross-reactivity with rhSema 6C, 5% cross-reactivity with rhSema 6D and less than 1% cross-reactivity with rhSema 3A, rhSema 3B, rhSema 6A, rhSema 7A, rmSema 3C, rmSema 3E and rmSema 3F.

#### Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human and mouse Sema 6B. The detection limit for rhSema 6B and rmSema 6B is approximately 2 ng/lane under non-reducing and reducing conditions.

#### Immunohistochemistry

This antibody will detect Semaphorin 6B in cells and tissues. The working dilution is 10 µg/mL. Antigen retrieval is recommended.

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