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<b>Catalog Number:</b>	GT15077	<b>Host:</b>	Sheep
<b>Product Type:</b>	Affinity Purified Sheep IgG	<b>Species Reactivity:</b>	Mouse
<b>Immunogen Sequence:</b>	Purified, NS0-derived, recombinant mouse Semaphorin 3C (rmSema 3C).	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose

**Applications:** **Immunohistochemistry:** 5-15 µg/mL  
**Western Blot:** 0.1 – 0.2 µg/mL  
**ELISA:** 0.5 - 1.0 µg/mL

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** 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. *Avoid repeated freeze-thaw cycles.*

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### Application Notes

#### Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse Sema 3C. The detection limit for rmSema 3C is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rhSema 3A, rhSema 3B, rhSema 6A, rmSema 3E, rmSema 3F, rmSema 6A and rmSema 7A.

#### Immunohistochemistry

This antibody will detect Semaphorin 3C in cells and tissues. The working dilution is 2 - 5 µg/mL.

#### Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Sema 3C. The detection limit for rmSema 3C is approximately 0.2 ng/well.

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