

## Tie-2

## Data Sheet

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|----------------------------|---|----------------------------|---|
| <b>Catalog Number:</b>     | GT15148   | <b>Host:</b>               | Goat  |
| <b>Product Type:</b>       | Affinity purified   | <b>Species Reactivity:</b> | Human   |
| <b>Immunogen Sequence:</b> | NS0-derived, recombinant human Tie 2 (rhTie 2) extracellular domain.      | <b>Format:</b>             | Liquid 1mg/ml<br>Solution in phosphate-buffered saline (PBS) with 5% Trehlose |
| <b>Applications:</b>       | IHC-5-15 ug/ml<br>Western Blot: 0.1 - 0.2 µg/mL<br>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

#### Specificity

This antibody has been selected for its ability to recognize rhTie 2 in direct ELISA and western blot assays. Based on direct ELISA results, this antibody shows no cross-reactivity with rhTie 1.

#### Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Tie 2. The detection limit for rhTie 2 is approximately 0.1 ng/well.

#### Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Tie 2. The detection limit for rhTie 2 is approximately 5 ng/lane and 25 ng/lane under non-reducing and reducing conditions, respectively.

#### Immunohistochemistry

This antibody will detect Tie 2 in paraffin-embedded human tissue sections.

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