

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Chicken                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>        | Detects chicken RGM-A in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant human RGM and recombinant mouse RGM.                                                                                      |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant chicken RGM-A<br>Trp30-Asn404 (Asn404Asp)<br>Accession # Q8JG54                                                                                                                                                             |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

Chicken RGM is the founding member of the RGM family of glycosylphosphatidylinositol (GPI)-anchored axon guidance proteins. It is a disulfide-linked dimer of the N-terminal RGD-containing segment (aa 30-149) and the C-terminal segment (aa 150-432). RGM-A binds with high affinity to neogenin. Chicken RGM-A (aa 30-401) shares 88% and 87% aa sequence identity with its human and mouse homologs, respectively.

#### PRODUCT SPECIFIC NOTICES

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