

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Goosecoid in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Goosecoid Gly48-Arg159 Accession # P56915
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

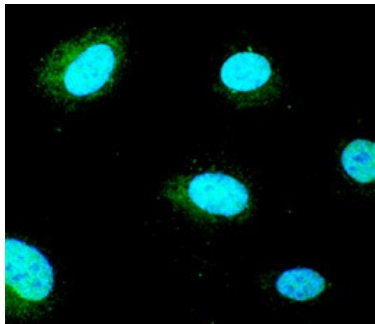
APPLICATIONS

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Goosecoid
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



Goosecoid in BG01V Human Embryonic Stem Cells. Goosecoid was detected in immersion fixed BG01V human embryonic stem cells differentiated into mesoderm using Goat Anti-Human Goosecoid Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4086) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 493-conjugated Anti-Goat IgG Secondary Antibody (green; Catalog # NL003) and counterstained with DAPI (blue). Specific staining was localized to nuclei and cytoplasm. View our protocol for [Fluorescent ICC Staining of Stem Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Goosecoid (GSC) is a 28 kDa member of the paired homeobox family. Human Goosecoid is 257 amino acids (aa) in length, and contains one DNA-binding homeodomain (aa 160-219). Goosecoid appearance correlates with the start of gastrulation and the development of both head/neck and upper body limb mesenchyme. It also appears abnormally in some tumors where it is associated with an epithelial-to-mesenchymal transition. Human Goosecoid shares 97% aa sequence identity with mouse Goosecoid.