

## Product Information

<b>Catalog Number:</b>	GtxBo-003-D488NHSX
<b>Product:</b>	Goat anti-Bovine IgG (H&L) - affinity purified, DyLight®488 Conjugate
<b>Physical State:</b>	Lyophilized
<b>Size:</b>	1.0 mg
<b>Antibody Concentration:</b>	1.0 mg/ml (E 1% at 280 nm = 13.0) (concentration lot dependent)
<b>Fluorophore:</b>	DyLight® 488 ( $\lambda_{\text{ex}}$ = 493 nm; $\lambda_{\text{em}}$ = 518 nm)
<b>Suggested Dilution Range:</b>	1:100 - 1:1000 for most applications The optimal working dilution should be determined by the investigator.
<b>Buffer:</b>	10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer:</b>	1% (w/v) Bovine Serum Albumin (IgG-free, Protease-Free)
<b>Preservative:</b>	0.05% (w/v) Sodium Azide
<b>Purification:</b>	Affinity purified using solid phase Bovine IgG (H&L)
<b>Purity:</b>	Affinity purified antibody is > 95% based on SDS-PAGE
<b>Antibody Specificity:</b>	Based on IEP, this antibody reacts with: <ul style="list-style-type: none"><li>· heavy (<math>\gamma</math>) chains on bovine IgG</li><li>· light chains on all bovine immunoglobulins</li></ul> Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>· non-immunoglobulin bovine serum immunoglobulins</li></ul>
<b>Reconstitution and Storage:</b>	Store freeze-dried powder at 2-8°C. Rehydrate with 1.1 ml of deionized water and let stand 30 minutes at room temperature to dissolve. (Product has been overfilled to ensure complete recovery.) Centrifuge to remove any particulates. Prepare fresh working dilution daily. Product is stable for up to 4 weeks at 2-8°C after rehydration. For extended storage after rehydration, add an equal volume of glycerol (Molecular Grade, purity > 99.5%) for a final concentration of 50%, and store at -20°C in liquid form. <b>Note:</b> adding glycerol reduces the stated protein concentration and dilution range by one-half. Under long-term storage the rehydrated antibody is stable for one year from date of rehydration. The expiration date may be extended if test results are acceptable for the intended use.
<b>Safety Information:</b>	Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. The antibody contains 0.05% sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion.

**Note:** This information sheet contains general product information only. For detailed lot specific information consult the vial label and the data sheet supplied by the manufacturer upon delivery of the product.

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**This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.**

**Warning:** Bovine Serum Albumin (BSA) or dry milk is not suitable for blocking or diluting anti-bovine, anti-goat, anti-sheep or anti-horse IgG antibodies. BSA and dry milk may contain IgG, which react with these antibodies and may cause high background and/or reduce antibody titer. We recommend to use normal serum (5% v/v) from the same host species as the labeled secondary antibody.

### Manufacturer:

**ImmunoReagents, Inc.**  
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Raleigh, NC 27607, USA

### Distribution and Support:

**dianova GmbH**  
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