

**XFD488 goat anti-rabbit IgG (H+L) \*Cross Adsorbed\***

Catalog Number: 16398

Unit Size: 1 mg

**Product Details**

|                    |  |
|--------------------|--|
| Storage Conditions | 2-8°C with minimized light exposure. Do not freeze.  |
| Expiration Date    | 12 months upon receiving                             |
| Concentration      | 1 mg/mL  |
| Formulation        | Phosphate-buffered saline (PBS, pH 7.2), 2 mg/mL BSA |

**Unit Details**

|                       |                         |
|-----------------------|-------------------------|
| Reconstitution Volume | 1 mL ddH <sub>2</sub> O |
|-----------------------|-------------------------|

**Antibody Properties**

|                    |            |
|--------------------|------------|
| Species Reactivity | Rabbit     |
| Class              | Secondary  |
| Clonality          | Polyclonal |
| Host               | Goat       |

**Chemical Properties**

|                  |         |
|------------------|---------|
| Molecular Weight | ~150000 |
|------------------|---------|

**Biological Properties**

|                       |   |
|-----------------------|---|
| Stabilizer            | 2 mg/mL BSA   |
| Appearance            | Solid   |
| Preparation           | Goat anti-rabbit IgG (H+L) is produced in goat with pooled total rabbit IgG and affinity purified with rabbit IgG coupled beads. The antibody is conjugated with XFD488 under optimal conditions. |
| Application           | Flow Cytometry (FACS), IF, IHC, ELISA, WB   |
| Recommended Dilutions | Suggested dilutions are only guidelines; users should titrate the product for their specific assay using appropriate controls   |
| Application           | Recommended dilution  |
| Flow Cytometry (FACS) | 1-5 µg/mL   |

|       |            |
|-------|------------|
| IF    | 2 µg/mL    |
| IHC   | 1-10 µg/mL |
| ELISA | 100 ng/mL  |
| WB    | 1-10 µg/mL |

## Spectral Properties

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|                       |                  |
|-----------------------|------------------|
| Conjugate             | Alexa Fluor® 488 |
| Excitation Wavelength | 499 nm           |
| Emission Wavelength   | 520 nm           |

## Applications

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XFD488 is manufactured by AAT Bioquest, and it has a chemical structure similar to that of Alexa Fluor® 488 (Alexa Fluor® is the trademark of Thermo Fisher). Our goat anti-rabbit IgG whole antibodies have been cross-adsorbed against human IgG and human serum prior to conjugation to minimize cross-reactivity. This XFD488 labeled-goat anti-rabbit IgG conjugate is prepared by the reaction of cross-adsorbed goat anti-rabbit IgG whole antibody with XFD488 NHS ester, which has the same molecule as Alexa Fluor® 488 NHS ester. Each conjugate has typically 4-6 fluorophores per IgG molecule. Fluorescent secondary antibody conjugates are useful in the detection, sorting, or purification of its specified target and ideal for fluorescence microscopy and confocal laser scanning microscopy, flow cytometry, and fluorescent western detection.