# AAT Bioquest®

# iFluor® 860 goat anti-rabbit IgG (H+L) *Cross Adsorbed*

Catalog Number: 48068, 48069
Unit Size: 200 ug, 1 mg

## Product Details

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|---|---|
| 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

| | 48068 (200 ug) | 48069 (1 mg) |
|---|---|---|
| Reconstitution Volume | 200 uL ddH$_2$O | 1 mL ddH$_2$O |

## Antibody Properties

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

## Chemical Properties

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| Molecular Weight | ~150000 |

## Biological Properties

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| 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 iFluor® 860 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 | iFluor® 860 |
| Excitation Wavelength | 853 nm |
| Emission Wavelength | 878 nm |

## Applications

AAT Bioquest's iFluor® dyes are optimized for labeling proteins, in particular, antibodies. These dyes are bright, photostable, and have minimal quenching on proteins. They can be well excited by the major laser lines of fluorescence instruments (e.g., 350, 405, 488, 532-561, 633-647, and 808 nm). iFluor® 860 goat anti-rabbit IgG (H+L) conjugate has fluorescence excitation and emission maxima of   853 nm and   878 nm, respectively. These unique spectral characteristics makes iFluor® 860 goat anti-rabbit IgG (H+L) conjugates ideal for various NIR imaging applications, including Western blotting, ELISA, protein arrays, tissue section imaging, and *in vivo* imaging.