

# Qdot® 705 Antibody Conjugation Kit

(Molecular Probes®)

## Description

Qdot® Antibody Conjugation Kits contain Qdot® nanocrystals. The kit contains a crosslinker, SMCC. In addition to these Qdot® nanocrystals using these reagents in flow cytometry, fluorescence microscopy, and eight Qdot® nanocrystal color reactions.

### Important Features of Qdot®

- Qdot® 705 quantum dot has
- Labeled proteins typically
- Optimized for ~300 µg of w
- Requires the antibody or p

### Properties of Qdot® Nanocr

The Qdot® nanocrystal is the s macromolecule or protein (~15 Qdot® nanocrystals are made which is coated with an additional material. The Qdot® 705 and Q fashion. This core-shell material conjugated to biological molec

### Qdot® Nanocrystals Are Ou

- Extremely photostable and b
- Efficiently excited with singl
- Narrow emission profiles, lar

Qdot® nanocrystals are our brightest fluorescent option for labeling, with molar extinction coefficients several orders of magnitude brighter than our brightest organic dyes. Qdot® nanocrystals are an excellent choice for primary antibody based detection or for rare event and even single-molecule studies. By avoiding secondary detection, primary antibody-based approaches compress workflows in addition to allowing matched isotype/species antibodies to be used.

### Find Out More About Qdot® Nanocrystals

Read more about [Qdot® nanocrystals](#), review additional product details in [Qdot® Nanocrystals—Section 6.6](#) in the Molecular Probes® Handbook, and learn about protocol modifications that may [enhance coupling](#) using our Qdot® Antibody Conjugation Kits.

### Learn More About Antibody and Protein Labeling

We offer a wide selection of Molecular Probes® antibody and protein labeling kits to fit your starting material and your experimental setup. See [Antibody Labeling from A to Z](#) or use our [Labeling Chemistry Selection Tool](#) for other choices. To learn more about our various kits read [Kits for Labeling Proteins and Nucleic Acids—Section 1.2](#) in the Molecular Probes® Handbook.

### We'll Make a Custom Antibody Conjugate for You

If you can't find what you're looking for in our stocked list, we'll prepare a [custom antibody](#)

Catalog Number

Q22061MP

1 kit

(USD) 505.00

**conjugate** for you. Our custom conjugation service is efficient and confidential, and we stand by the quality of our work. We are ISO 9001:2000 certified.

For Research Use Only. Not intended for human or animal therapeutic or diagnostic use.



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