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## Product Datasheet

### **Peroxiredoxin 4 (Prognostic Marker for Lung SqCC)(CPTC-PRDX4-2), CF405S conjugate, 0.1mg/mL, Clone: [CPTC-PRDX4-2], Mouse, Monoclonal BOT-BNC042483-100**

|                            |                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Peroxiredoxin 4 (Prognostic Marker for Lung SqCC)(CPTC-PRDX4-2), CF405S conjugate, 0.1mg/mL, Clone: [CPTC-PRDX4-2], Mouse, Monoclonal                                                                                                                          |
| Biozol Catalog Number      | BOT-BNC042483-100                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | BNC042483-100                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | BOT-BNC042483-100-100UL                                                                                                                                                                                                                                        |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                        |
| Host                       | Mouse                                                                                                                                                                                                                                                          |
| Category                   | Antikörper                                                                                                                                                                                                                                                     |
| Species Reactivity         | Human                                                                                                                                                                                                                                                          |
| Immunogen                  | Recombinant full-length human PRDX4 protein                                                                                                                                                                                                                    |
| Conjugation                | CF405S                                                                                                                                                                                                                                                         |
| Product Description        | The peroxiredoxin (PRX) family comprises six antioxidant proteins, PRX I, II, III, IV, V and VI, which protect cells from reactive oxygen species (ROS) by preventing the metal-catalyzed oxidation of enzymes. The PRX proteins primarily utilize thioered... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                     |
| Concentration              | 0.1 mg/mL                                                                                                                                                                                                                                                      |
| Clone Designation          | [CPTC-PRDX4-2]                                                                                                                                                                                                                                                 |
| Molecular Weight           | 27 kDa                                                                                                                                                                                                                                                         |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt           | <a href="#">Q13162</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| Buffer            | PBS, 0.1% BSA, 0.05% azide                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes | For coating for ELISA, order Ab without BSA Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Optimal dilution and staining procedure for a specific application should be determined by user Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 uL for flow cytometry |