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## Product Datasheet

### **DOG-1(DG1/447), CF405S conjugate, 0.1mg/mL, Clone: [DG1/447], Mouse, Monoclonal BOT-BNC040447-500**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | DOG-1(DG1/447), CF405S conjugate, 0.1mg/mL, Clone: [DG1/447], Mouse, Monoclonal                                                                                                                                                                               |
| Biozol Catalog Number      | BOT-BNC040447-500                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | BNC040447-500                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | BOT-BNC040447-500-500UL                                                                                                                                                                                                                                       |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | IHC                                                                                                                                                                                                                                                           |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Immunogen                  | Recombinant human DOG-1 protein                                                                                                                                                                                                                               |
| Conjugation                | CF405S                                                                                                                                                                                                                                                        |
| Product Description        | Expression of DOG-1 protein is elevated in the gastrointestinal stromal tumors (GISTs), c-kit signaling-driven mesenchymal tumors of the GI tract. DOG-1 is rarely expressed in other soft tissue tumors, which, due to appearance, may be difficult to di... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | 0.1 mg/mL                                                                                                                                                                                                                                                     |
| Clone Designation          | [DG1/447]                                                                                                                                                                                                                                                     |

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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight  | ~114 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt           | <a href="#">Q5XXA6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Buffer            | PBS, 0.1% BSA, 0.05% azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Application Notes | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Flow cytometry: 0.5-1 ug/million cells Immunofluorescence: 0.5-1 ug/mL Immunohistology formalin-fixed 0.25-0.5 ug/mL Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes Optimal dilution for a specific application should be determined by user |