

# Technical Data Sheet

## InVivoMAb anti-human CD71 (TfR1)



**Attention:** Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

### Lot Specific Information

Lot Number: Lot Specific\*  
Volume: Lot Specific\*  
Concentration: Lot Specific\* (generally 4 to 11 mg/ml) \*  
Total Protein: Lot Specific\*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

Catalog Number: BE0388  
Clone: BK19.9  
Isotype: Mouse IgG1,  $\kappa$   
Recommended Isotype Control(s): InVivoMAb mouse IgG1 isotype control, unknown specificity  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Not available or unknown  
Reported Applications: Immunohistochemistry (frozen)  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin:  $\leq 1\text{EU/mg}$  ( $\leq 0.001\text{EU}/\mu\text{g}$ )  
Determined by LAL gel clotting assay  
Purity:  $\geq 95\%$   
Determined by SDS-PAGE  
Sterility:  $0.2\ \mu\text{m}$  filtration  
Purification: Protein G  
RRID:  
Molecular Weight: 150 kDa

### Description

The BK19.9 monoclonal antibody reacts with human CD71 also known as transferrin receptor or TfR1. CD71 is a type II homodimeric transmembrane glycoprotein which is expressed on the surface of proliferating cells, reticulocytes, and erythroid precursors. CD71 plays a role in the control of cellular proliferation and is required for iron import from transferrin into cells. CD71 is expressed on malignant cells at high levels and its expression correlates with cancer progression. The BK19.9 antibody is useful for staining Kupffer cells.

### Storage

Store at the stock concentration at  $4^{\circ}\text{C}$ . **Do not freeze.**

It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

### Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

### Application References

For a complete list of references, visit

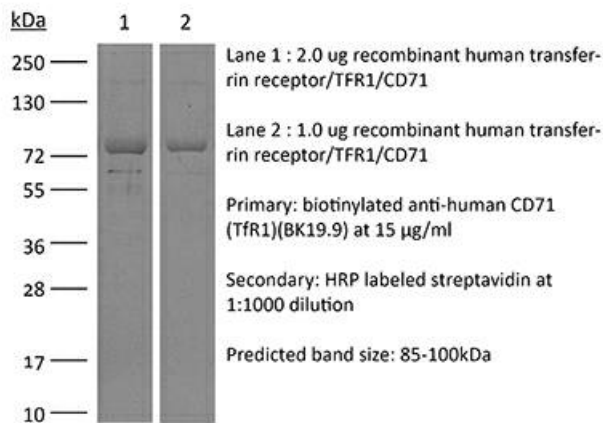
### Binding Validation

Validation data shown below confirms that this clone binds to

[https://bioxcell.com/be0388?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0388?bxcs=9k1b3a#tab_references)  
or scan the QR code below.



its target antigen. For lot specific binding validation data, e-mail [technicalservice@bioxcell.com](mailto:technicalservice@bioxcell.com).



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