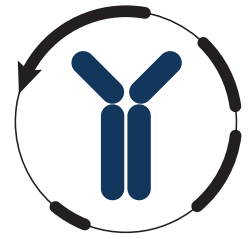


# Datasheet



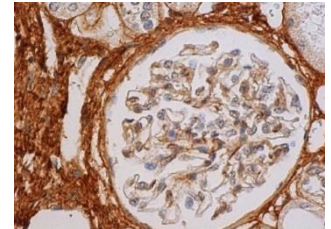
Mouse mAb to **Fibronectin**  
Clone **616**  
Isotype **IgG2a-κ**

## Source

A BALB/c mouse was immunized with a high molecular fraction of proteins secreted by cultured human fibroblasts.  
Fusion partner: P3-X63-Ag8.653.

## Specifications

616 Reacts with the N-terminal fibrin and heparin-binding domain. Specificity was established by Western blotting with purified 29 kDa domain from two different sources. Fibronectins, 220 kDa monomer; 440 kDa dimer, are present in basement membranes, interstitial connective tissue matrix, and blood. Cellular fibronectin is widely distributed in the stroma of many malignant tumors.



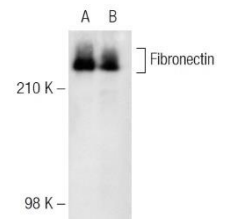
**Figure 1:** human kidney stained with 616 (paraffin)

## Species reactivity

Positive: human, dog, ferret, pig.

## Applications

616 Is excellent for staining of paraffin sections. 616 Also works well in immunofluorescence tests and Western blotting.



**Figure 2:** 616 Reacting on Western blot with (A) human platelet extract (B) HT-1080 whole cell lysate

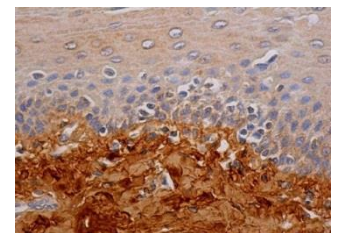
Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	+	+

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.  
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- Flow cytometry (1-2 µg/million cells in 0,1 ml).
- Immunoblotting (1 µg/ml for 2h at RT).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 min at RT; for paraffin sections no pre-treatment necessary).



**Figure 3:** human esophagus stained with 616 (paraffin)

## Positive control

Human kidney.

# Datasheet



## References

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- Ljubimov, A.V. et al. *Exp. Cell Res.* **165**: 530-40 (1986).
- Mirmalek-Sani SH. et al. *Biomaterials* **165**: 5488-95 (2013).