

Technical Data Sheet

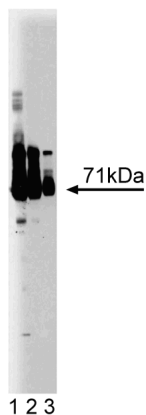
Purified Mouse Anti-Human EFP**Product Information**

Material Number:	610570
Alternate Name:	Estrogen receptor Finger Protein
Size:	50 µg
Concentration:	250 µg/ml
Clone:	2/EFP
Immunogen:	Human EFP aa. 32-210
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human
Target MW:	71 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

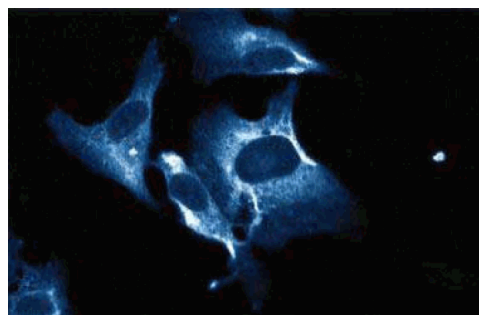
Description

Steroid hormones, unlike polypeptide hormones, diffuse inside the cell, bind cytoplasmic or nuclear receptors, and activate specific genes. Complete identification of such receptors would greatly increase the understanding of the cellular processes activated by steroids. EFP (Estrogen receptor Finger Protein) was identified as a result of its specific interaction with the estrogen receptor. EFP contains a zinc-finger domain, indicating that it is a DNA-binding protein. EFP transcription is regulated by estrogens and, in combination with the estrogen receptor, it may modulate the expression of estrogen-responsive genes.

This antibody is routinely tested by western blot analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Western blot analysis of EFP on a human endothelial cell lysate. Lane 1: 1:5000, lane 2: 1:10,000, lane 3: 1:20,000 dilution of the mouse anti-human EFP antibody.



Immunofluorescence staining of human endothelial cells.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at -20° C.

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Application Notes

Application

Western blot	Routinely Tested
Immunoprecipitation	Tested During Development
Immunofluorescence	Tested During Development
Immunohistochemistry	Not Recommended

Recommended Assay Procedure:

Western blot: Please refer to http://www.bdbiosciences.com/pharmingen/protocols/Western_Blotting.shtml

Suggested Companion Products

Catalog Number	Name	Size	Clone
611450	Human Endothelial Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Genomic binding-site cloning reveals an estrogen-responsive gene that encodes a RING finger protein.. *Proc Natl Acad Sci U S A*. 1993; 90((23):11117-11121. (Biology)