

# CD71 (Transferrin Receptor) Monoclonal Antibody (OKT9 (OKT-9)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OKT9 (OKT-9)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466504

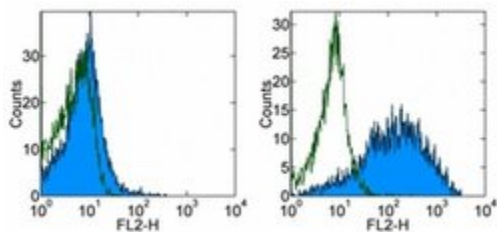
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	12 Publications

## Product Specific Information

**Description:** The OKT9 monoclonal antibody reacts with human CD71, a 170-180 kDa type II transmembrane protein. CD71, the transferrin receptor, exists as a homodimer on the cell surface and is essential for cellular growth. CD71 is expressed by immature proliferating cells and at low levels on resting mature lymphocytes. Antigen or mitogen stimulation of T and B cells upregulates the expression of CD71.

**Applications Tested:** This OKT9 (OKT-9) antibody has been tested by flow cytometric analysis of unstimulated and PHA-stimulated (3 days) human peripheral blood cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filtration:** 0.2 µm post-manufacturing filtered.



### CD71 (Transferrin Receptor) Antibody (13-0719-82) in Flow

Staining of 3-day unstimulated (left) and 3-day PHA-stimulated (right) normal human peripheral blood cells with 0.06 µg of Mouse IgG1 kappa Isotype Control Biotin (Product # 13-4714-85) (open histogram) or 0.06 µg of Anti-Human CD71 (Transferrin Receptor) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

## 13 References

### Immunocytochemistry (1)

#### Oncogene

#### Terminal differentiation and loss of tumorigenicity of human cancers via pluripotency-based reprogramming.

"Published figure using CD71 (Transferrin Receptor) monoclonal antibody (Product # 13-0719-82) in Immunofluorescence"

Authors: Zhang X,Cruz FD,Terry M,Remotti F,Matushansky I

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2013

### Flow Cytometry (12)

#### eLife

#### Gene-centric functional dissection of human genetic variation uncovers regulators of hematopoiesis.

"Published figure using CD71 (Transferrin Receptor) monoclonal antibody (Product # 13-0719-82) in Flow Cytometry"

Authors: Nandakumar SK,McFarland SK,Mateyka LM,Lareau CA,Ulirsch JC,Ludwig LS,Agarwal G,Engreitz JM,Przychodzen B,McConkey M,Cowley GS,Doench JG,Maciejewski JP,Ebert BL,Root DE,Sankaran VG

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2019

#### Cell reports

#### Methods for Systematic Identification of Membrane Proteins for Specific Capture of Cancer-Derived Extracellular Vesicles.

"13-0719 was used in Flow cytometry/Cell sorting to develop a computational framework that integrates information about membrane proteins in tumours and normal tissues from databases."

Authors: Zaborowski MP, Lee K, Na YJ, Sammarco A, Zhang X, Iwanicki M, Cheah PS, Lin HY, Zinter M, Chou CY, Fulci G, Tannous BA, Lai CP, Birrer MJ, Weissleder R, Lee H, Breakefield XO

#### Species

Human

#### Dilution

Not Cited

#### Year

2019

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### More applications with references on thermofisher.com

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