TFIID is a general transcription factor that initiates preinitiation complex assembly through direct interaction with the TATA promoter element. Functioning as a multisubunit complex consisting of a small TATA-binding polypeptide and other TBP-associated factors (TAFs), TFIID mediates promoter responses to various transcriptional activators and repressors. TAF II p43, also known as TAF8, TAFII43 or TBN, is a 310 amino acid subunit of the TFIID complex that contains one histone-fold domain. Localized to either the nucleus or the cytoplasm depending on the developmental stage of the cell, TAF II p43 plays a role in fibroblast differentiation and is thought to be required for survival of the early embryo. Ectopic expression of the histone-fold domain results in a role in fibroblast differentiation, and it is thought to be required for survival of the early embryo. Ectopic expression of the histone-fold domain results in fibroblast differentiation, and is thought to be required for survival of the early embryo. Ectopic expression of the histone-fold domain results in fibroblast differentiation, and is thought to be required for survival of the early embryo.

Genetic locus: TAF8 (human) mapping to 6p21.1; Taf8 (mouse) mapping to 17 C.

TAF II p43 (B-7) is a mouse monoclonal antibody raised against amino acids 40-310 mapping at the C-terminus of TAF II p43 of human origin.

Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

TAF II p43 (B-7) is available conjugated to agarose (sc-398062 AC), 500 µg/0.25 ml agarose in 1 ml, for WB; HRP; and ELISA; to either phycocyanin (sc-398062 PE), fluorescent (sc-398062 FITC), Alexa Fluor® 488 (sc-398062 AF488), Alexa Fluor® 594 (sc-398062 AF594) or Alexa Fluor® 647 (sc-398062 AF647), 200 µg/ml, for IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-398062 AF680) or Alexa Fluor® 790 (sc-398062 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA.

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: TAF8 (human) mapping to 6p21.1; Taf8 (mouse) mapping to 17 C.

SOURCE
TAF II p43 (B-7) is a mouse monoclonal antibody raised against amino acids 40-310 mapping at the C-terminus of TAF II p43 of human origin.

PRODUCT
TAF II p43 (B-7) is recommended for detection of TAF II p43 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500], immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

APPLICATIONS
TAF II p43 (B-7) is recommended for detection of TAF II p43 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500], immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG BP-HRP: sc-516102 or m-IgG BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2030 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG BP-FITC: sc-516140 or m-IgG BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgG BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

DATA
TAF II p43 (B-7) is recommended for detection of TAF II p43 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500], immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RESEARCH USE
For research use only, not for use in diagnostic procedures.