HA-probe (F-7): sc-7392

BACKGROUND
Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors are frequently used to encode hybrid fusion proteins consisting of an eukaryotic target protein and a specialized region designed to aid in the purification and visualization of the target protein. For example, the pCDM8 expression vector and derivatives thereof encode fusions between the target protein and an eleven amino acid peptide derived from the influenza protein hemagglutinin (HA). The HA epitope tag is useful in Western blotting and immunohistochemical localization of expressed fusion proteins when examined with antibodies raised specifically against the HA-epitope tag.

SOURCE
HA-probe (F-7) is a mouse monoclonal antibody raised against an epitope mapping within an internal region of the influenza hemagglutinin (HA) protein.

PRODUCT
Each vial contains 200 μg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for ChIP application, sc-7392 X, 200 μg/0.1 ml.
HA-probe (F-7) is available conjugated to agarose (sc-7392 AC), 500 μg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-7392 HRP), 200 μg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-7392 PE), fluorescent (sc-7392 FITC), Alexa Fluor® 488 (sc-7392 AF488), Alexa Fluor® 546 (sc-7392 AF546), Alexa Fluor® 594 (sc-7392 AF594) or Alexa Fluor® 647 (sc-7392 AF647), 200 μg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-7392 AF680) or Alexa Fluor® 790 (sc-7392 AF790), 200 μg/ml, for Near-Infrared (NIR) WB, IF and FCM.
In addition, HA-probe (F-7) is available conjugated to biotin (sc-7392 B), 200 μg/ml, for WB, IHC(P) and ELISA; and to either TRITC (sc-7392 TRITC, 200 μg/ml), PerCP (sc-7392 PerCP), PerCP-Cy5.5 (sc-7392 PCPCy5) or Alexa Fluor® 405 (sc-7392 AF405), 100 tests in 2 ml, for IF, IHC(P) and FCM.
Blocking peptide available for competition studies, sc-7392 P, (100 μg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).
Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA.

APPLICATIONS
HA-probe (F-7) is recommended for detection of proteins containing the HA tag by Western Blotting (starting dilution 1:200, 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 1:500-1:500), flow cytometry (1 μg per 1 x 10^6 cells) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).
HA-probe (F-7) X TransCruz antibody is recommended for ChIP assays.

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

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

DATA

SELECT PRODUCT CITATIONS

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.