

Human Cell Line Blot I

Catalog No: 1501

Cell lines: Human cell lines (MCF7, HeLa, HT-29, 293, Hep G2, A-549, SK-N-SH, and PC-3)

Source: MCF7 - Human (69 yrs, Female) mammary gland, breast, epithelial adenocarcinoma
HeLa - Human (31 yrs, Female) cervix epithelioid carcinoma
HT-29 - Human (44 yrs, Female) colon colorectal adenocarcinoma
293 - Human (embryonal) kidney transformed by sheared human adenovirus 5 (Ad 5) DNA
Hep G2 - Human (15 yrs, Male) liver, hepatocellular carcinoma
A-549 - Human (58 yrs, Male) lung carcinoma
SK-N-SH - Human (4yrs, Female) bone metastasis of a brain neuroblastoma
PC-3 - Human (62yrs, Male) bone metastasis of a grade IV prostatic adenocarcinoma

Gel percentages:

Gradient Gel: 4-20%: 4kDa to 200kDa target protein

Product description:

Human Cell Line Blot I is designed for proteomics research in screening for antibody and protein expression. It carries 8 different human cell lines with 15 µg of total cellular protein in each lane. Proteins in a wide range of molecular mass are separated in a 4-20% gradient SDS-PAGE gel and transferred onto nitrocellulose membranes. Custom gel percentages between 7% and 15% may be available upon request.

Applications:

Human Cell Line Blot I is provided for Western Blot analysis. Before use in conventional immunoblotting assays, these blots need to be re-hydrated using any standard nitrocellulose membrane re-hydration procedure. For Western Blot, the blot can be blocked with 1% BSA or 5% nonfat dry milk for 1 hour. Incubation takes 30 minutes to two hours with primary antibody, and 30 minutes to one hour with secondary antibody at room temperature.

Products are intended for laboratory research purposes only and should be used by qualified personnel only. They are not intended for use in humans. ProSci is not liable for damages or injuries resulting from receipt and/or use of ProSci materials. Please refer to the Material Safety Data Sheet (MSDS) for safe storage, handling, and use procedures. Also, for further information on the biosafety classification of human etiologic agents, please consult the U.S. Department of Health and Human Services, Centers for Disease Control and Prevention's Office of Health and Safety (www.cdc.gov/od/ohs).

Storage:

Human Cell Line Blot I should be stored at 4°C. The blot can be reused after stripping.

Related products:

ProSci Inc. provides an assortment of blots including:

Human Cell Line Blot II (**Catalog No. 1502**);

Human Normal Tissue Blot (**Catalog No. 1521**);

Customized Human Tissue Blot (**Catalog No. 1541**);

Mouse Tissue Blots (**Catalog No. 1561, 1562**);

Rat Tissue Blots (**Catalog No. 1581, 1582**).

