

Guide to Filters for Cell Products

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Our filters are key features to quickly focus your search for cell product data to help you design better, more successful experiments

Check out these articles to learn more about applying filters

Search terms you can include in the search bar

What's the difference between using the search bar vs applying filters?

What's the search logic if I apply more than one filter?

Excluding search criteria from your search

Filter type: Application

- Based on **vendor recommendations** or **publication data**
- Narrow down your results based on the type of experiment, such as *western blot*, *cell treatment*, *overexpression*, etc.
- Search logic for multiple selections
 - **Product** results = AND (all products must have been used with that context for all selections)
 - **Figure** results = OR (all figure results must contain at least one of the selections)

Filter type: Figure Usage Data

- Narrow down your search results based on **how the product was used in the literature**
- Search logic for multiple selections
 - Applying different **Figure Usage Data** filters = AND
 - Applying multiple within a filter = OR

	Description	Example
Organism Tested	Species of the cell/tissues/animal model an experiment was performed in. This filter also shows a list of aliases/synonyms (ex. <i>homo sapiens</i> will be grouped under <i>human</i>).	Human Drosophila

Tissue Used	Type of tissue that experiments were performed in	Liver Lung
Cell Type Used	Cell type that the experiments were performed in	Epithelial Neuron
Cell Line Used	Specific names of cell lines that experiments were performed in	HEK293 HeLa cells
Disease	Disease context that experiments are associated with	Breast cancer Chronic kidney disease

Filter type: Supplier

- Narrow down results based on information **about the vendors/suppliers**
- Search logic for multiple **Company** selections: OR (the product or figure results need to match at least one of the companies)

	Description
Availability	This filter hides discontinued or commercially unavailable products—the default option is that all products are shown
Company	The vendor that sells the product – choose or exclude preferred vendors

Filter type: Cell Product Specs

- Search logic for multiple selections for both product and figure results
 - AND: **Culture Properties**
 - OR: **Cell Product Type, Cell Line Name, Species of Origin, Cell Type of Origin, Tissue of Origin, Disease of Origin, Biosafety Level, Selectable Marker**

	Description	Example
<u>Cell Product Type</u>	What kind of cells are these—particularly useful information for how the cells are used	Cell Line Primary Cell
Cell Line Name	Names of cell lines specific by vendors	HEK293 HeLa
Species of Origin	Species that the cell product is from – these are <u>currently eukaryotic only</u>	Mouse Human
Cell Type of Origin	The physiological type of cell that the cell product originates from	Fibroblast Epithelial cells
Tissue of Origin	The physiological type of tissue that the cell product originates from	Bone marrow Skin

Disease of Origin	Can apply this filter if the cell product is associated with a disease	Chronic myeloid leukemia Parkinson's disease
<u>Gene Expression</u>	Vendor-provided gene expression information — can refer to gene knockout, knockdown, and over-expression	EGFR (all, overexpression, knockdown, knockout)
Biosafety Level	Vendor-specific biosafety level (BSL) of the cells	BSL1 BSL2
Selectable Marker	A cell line/product may have been designed to include a gene that allows them to be selected in culture (usually with an antibiotic)	Puromycin Penicillin
Culture Properties	Vendor specifications about properties of the cells, that inform how they should be cultured	Adherent cells Suspension cells
<u>Mycoplasma Tested</u>	If you only want to show cell products that have tested negative for Mycoplasma (a common bacterial contaminant found in research labs that affect cell culture)	