

Quick Start Guide: Selector

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Up to **50% of reagents** are unsuitable and fail to produce reproducible results. Within the **ASCEND by BenchSci platform**, our **Selector** application helps scientists streamline the selection of suitable reagents and model systems and avoid unnecessary purchases and validation experiments.

1. Video Overview of Selector
2. Impact of Selector on Biomedical Research
3. Steps to Get Started with Selector

What is Selector?

Impact on Biomedical Research

Over **50,000 scientists** at pharmaceutical companies, biotech companies, and 4,500+ academic institutions use **Selector**. BenchSci has developed powerful technology that is **proven to**:



Accelerate research by selecting products in seconds vs. weeks



Reduce reagent spending and save millions per year



Optimize experiment success and increase research productivity



Have a quantifiable impact with a proven, turnkey application

Explore data for a range of common reagents and model systems

Antibodies 

Represents about 40-50% of reagent waste, with millions of products and hundreds of vendors

CRISPR 

Requires complex selection of compatible vectors, Cas nucleases, and guide RNA

Proteins 

Includes recombinant and purified proteins which are often the second-highest source of waste after antibodies

Animal Models 

Often need to consult many studies to identify a model that has been successfully utilized in similar experiments

RNAi 

Challenging to search for since products are often custom and cited by their sequence

PCR Primers & Probes 

Fundamental molecular biology techniques with millions of products with slight variations that can be difficult to choose from

Cell Products 

A critical component of experiments that are prone to mislabeling and unclear validation methods

Comprehensive coverage of trusted literature sources and vendor databases

Experiment data from over **27 million** preprint, open- and closed-access publications

Partnerships with leading scientific publishers including **Springer Nature** and **Wiley**

Independent validation sources including **The Human Protein Atlas** and **EuroMAbNet**

Product catalog data for more than **85 million** products from **450 vendors**

Leverage AI technology to advance your workflow

5. Review details from figures to learn more about what reagents/model systems are used in experiments

Published Figure
Journal of Biological Chemistry (2019)
High-mobility group box 1 links sensing of reactive oxygen species by huntingtin to its nuclear entry
Susie Son Et Al.

[Link to view publication](#)

[See Publication](#)

PRODUCTS AND EXPERIMENTS

Verified Antibody IP

Anti-Huntingtin Protein Antibody, a.a. 181-810, clone 1HU-4C8
EMD Millipore, MAB2166
Cited in paper |

[View Product](#)

A

	Control			10nM 3-NP			
	Input	Beads	HMOB1	Input	Beads	HMOB1	kDa
N17							~35
MIL							~25
S13A							~35
S16A							~25

C

	Control			10nM 3-NP			
	Input	Beads	Co-IP	Input	Beads	Co-IP	kDa
EPR5526							~345
anti-HMOB1							~25

6. Review product details

Target: **HTT, HUNTINGTIN**

Host: Mouse

Clonality: Monoclonal

Clone ID: 1HU-4C8

[View product specifications](#)

Application	Published Figures	Vendor Recommended	Published Application Distribution
Western Blot	571	⊙	
Immunostaining	140	⊙	
Immunoprecipitation	120	⊙	

[Learn more about how the reagent or model system has been used in experiments](#)

7. Explore custom data integrations to build confidence in your search

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