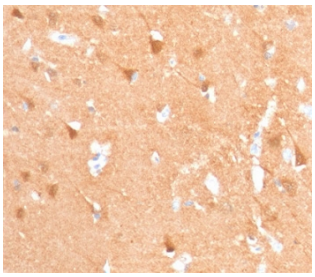
UCHL1 Antibody for FACS / PGP9.5 Flow Cytometry Antibody [clone rUBCE-L1] (V7624)

Catalog No.	Formulation	Size
V7624-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7624-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7624SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7624IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

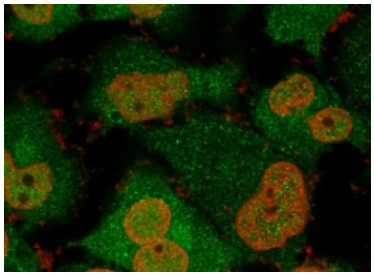
Recombinant MOUSE MONOCLONAL

Bulk quote request

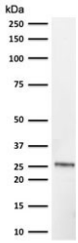
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rUBCE-L1
Purity	Protein G affinity chromatography
UniProt	P09936
Localization	Cytoplasmic, ER membrane
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1)
Limitations	This recombinant UchL1 antibody is available for research use only.



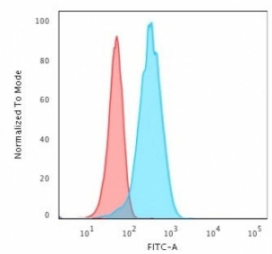
IHC staining of FFPE human cerebellum with recombinant UchL1 antibody (clone rUBCE-L1). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of permeabilized human T98G cells with recombinant UchL1 antibody cocktail (green, clone rUBCE-L1) and Nucspot (red).



Western blot testing of human brain lysate with recombinant UchL1 antibody (clone rUBCE-L1). Predicted molecular weight ~25 kDa.



UCHL1 Antibody for FACS. Flow cytometry analysis of UCHL1 / PGP9.5 in human T98G cells. Permeabilized human T98G cells stained with UCHL1 Antibody for FACS, also known as PGP9.5 Flow Cytometry Antibody and Ubiquitin C-terminal hydrolase L1 antibody, show a pronounced rightward shift in fluorescence intensity (blue) compared to isotype control (red), indicating specific intracellular detection of UCHL1. The clear separation between populations supports accurate gating of UCHL1-positive cells and consistent fluorescence signal distribution for quantitative analysis. Clone rUBCE-L1 antibody demonstrates strong intracellular signal with low background, enabling reliable discrimination of expressing versus non-expressing cell populations.

Description

Ubiquitin C-terminal hydrolase L1 (UCHL1), also known as Protein gene product 9.5 (PGP9.5), is a cytoplasmic protein commonly analyzed in neuronal and cancer-related research. The UCHL1 Antibody for FACS (clone rUBCE-L1) is specifically developed for flow cytometry applications, enabling robust intracellular detection of UCHL1 in permeabilized cells with clear fluorescence-based population separation.

UCHL1 Antibody for FACS, also referred to as PGP9.5 antibody or ubiquitin C-terminal hydrolase L1 antibody, is optimized for intracellular flow cytometry rather than imaging or blot-based methods. Because UCHL1 is localized within the cytoplasm, detection requires permeabilization, and this antibody is designed to generate a strong fluorescence signal with a distinct rightward shift relative to isotype controls. This enables precise gating of UCHL1-positive populations and accurate discrimination between expressing and non-expressing cells.

This recombinant mouse monoclonal UCHL1 Antibody for FACS (clone rUBCE-L1) provides consistent fluorescence intensity and low background signal, which are critical for reliable population analysis in flow cytometry. The recombinant monoclonal format supports controlled binding behavior, allowing reproducible separation of cell populations based on UCHL1 expression levels. Clone rUBCE-L1 antibody is particularly well suited for experiments requiring clear

fluorescence distribution patterns and stable gating boundaries across replicates.

UCHL1 expression is frequently evaluated in neuronal cells and tumor-derived cell lines, where it can vary across populations and experimental conditions. Flow cytometry detection enables rapid, quantitative assessment of UCHL1 expression across thousands of individual cells, supporting analysis of cellular heterogeneity and population dynamics in complex samples.

An UCHL1 Antibody for FACS (clone rUBCE-L1) is ideally suited for research applications focused on intracellular flow cytometry detection, fluorescence-based population analysis, and gating of UCHL1-positive cells. Its positioning as a FACS-optimized antibody clearly differentiates it from imaging and western blot reagents and makes it a strong choice for quantitative single-cell analysis.

Application Notes

Optimal dilution of the UCHL1 Antibody for FACS / PGP9.5 Flow Cytometry Antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human protein was used as the immunogen for the UCHL1 Antibody for FACS / PGP9.5 Flow Cytometry Antibody.

Storage

Store the recombinant UchL1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

UCHL1 antibody, PGP9.5 antibody, Ubiquitin C-terminal hydrolase L1 antibody, Flow cytometry UCHL1 antibody

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