

## CD45 Antibody [clone 135-4C5] (V2399)

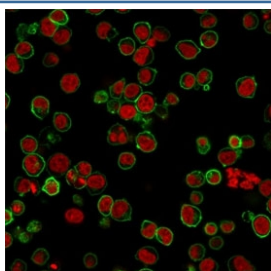
Catalog No.	Formulation	Size
V2399-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2399-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2399SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2399IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



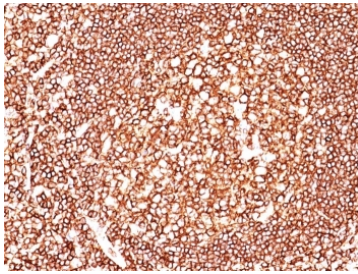
Citations (7)

[Bulk quote request](#)

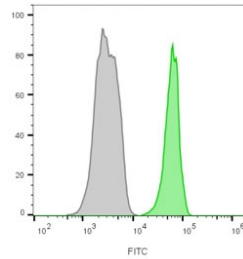
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	135-4C5
<b>Purity</b>	Protein G affinity chromatography
<b>Buffer</b>	1X PBS, pH 7.4
<b>UniProt</b>	P08575
<b>Localization</b>	Cell surface and cytoplasmic
<b>Applications</b>	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This CD45 antibody is available for research use only.



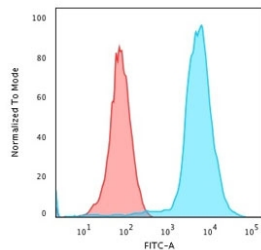
Immunofluorescent staining of PFA-fixed human Jurkat cells with CD45 antibody (clone 135-4C5, green) and Reddot nuclear stain (red).



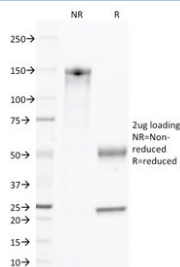
IHC staining of FFPE human tonsil tissue with CD45 antibody (clone 135-4C5).



Flow cytometry testing of lymphocyte-gated human PBM cells with CD45 antibody (clone 135-4C5, green), and unstained cells (gray).



Flow cytometry staining of PFA-fixed human Jukat cells with CD45 antibody (clone 135-4C5); Red=isotype control, Blue= CD45 antibody.



SDS-PAGE Analysis of Purified, BSA-Free CD45 Antibody (clone 135-4C5). Confirmation of Integrity and Purity of the Antibody.

## Description

### Application Notes

Due to variation in protocol and secondary antibody used, the CD45 antibody may need to be titrated for optimal performance.

1. FFPE staining requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. 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

Stimulated human leukocytes were used as the immunogen for the CD45 antibody.

### Storage

CD45 antibody (with azide) can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

## References (2)