

Technical Data Sheet

PE Mouse Anti-Mouse DO-11.10 Clonotypic TCR

Product Information

Material Number:	551772
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	KJ1-26
Immunogen:	DO-11.10 T hybridoma cells
Isotype:	Mouse (BALB.B x AKR) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The KJ1-26 antibody reacts with the DO-11.10 Clonotypic T-cell Receptor (TCR) of the BALB/c-derived DO-11.10 T-cell hybridoma and T lymphocytes from the DO-11.10 transgenic mouse (TgN[DO-11.10]10Loh). The DO-11.10 TCR, an 80-90-kDa (non-reduced) or 40-44-kDa (reduced) protein, is specific for the chicken OVA(323-339)/I-A[d] complex. The DO-11.10 T-cell hybridoma also responds strongly to chicken OVA/I-A[b] and jungle fowl OVA/I-A[d] and weakly to turkey OVA/I-A[d] and I-A[b]. The DO-11.10 mouse model is valuable for studies of T-cell immigration, immunoregulation, development, activation, and function. The KJ1-26 mAb was shown to block the antigen responses of the DO-11.10 T-cell hybridoma in vitro.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Recommended Assay Procedure:

For flow cytometry of cell suspensions from peripheral lymphoid tissues, it is recommended that multicolor staining be performed to distinguish T lymphocytes from non-T cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone
553457	PE Mouse IgG2a, κ Isotype Control	0.1 mg	G155-178

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

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