

Datasheet



Mouse mAb to **CD4**
Clone **EDU-2**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with stimulated human leucocytes.
Fusion partner: NS-1.

Specifications

EDU-2 reacts with human CD4, a 55 kDa single chain transmembrane glycoprotein that contains four extracellular immunoglobulin-like domains and is mainly expressed on T-helper lymphocytes, but also on cortical thymus cells, microglial and dendritic cells. It binds to HLA class II molecules during the interaction of CD4+ T cells with antigen-presenting cells or target cells. CD4 also serves as the primary cellular receptor for human immunodeficiency virus (HIV). EDU-2 was assigned to CD4 at the International Leucocyte Typing Workshops II and IV.

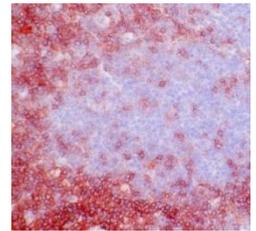


Figure 1: Human tonsil stained with EDU-2 (frozen).

Species reactivity

Positive: human, chimpanzee, orangutan, stump-tailed macaque.
Negative: rhesus monkey.

Applications

EDU-2 can be applied in frozen tissue sections, in immunofluorescence and in flow cytometry.

Flow cytometry	Frozen sections	Immunofluorescence
+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; an antigen retrieval method for formalin-fixed tissues is unavailable to date).

Positive control

Human lymphocytes, lymph node or tonsil.

References

- Knapp W. et. al. (eds) Leukocyte Typing IV, p314-330, Oxford University Press, Oxford, (1989).
- Reinherz EL et al. eds. Leukocyte Typing II, Springer-Verlag, Berlin, (1985).