

Product datasheet

Anti-CD2 antibody [1E7E8.G4] ab193344

Overview

Product name	Anti-CD2 antibody [1E7E8.G4]
Description	Mouse monoclonal [1E7E8.G4] to CD2
Host species	Mouse
Tested applications	Suitable for: IP, ICC/IF, Flow Cyt, WB, IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD2. Human Thymocytes/Sezary T cells Database link: P06729

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	1E7E8.G4
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab193344** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 1-2 µg/mg of lysate.
ICC/IF		Use a concentration of 0.5 - 1 µg/ml.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µl for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 39 kDa).
IHC-Fr		Use a concentration of 0.5 - 1 µg/ml.

Target

Function	CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

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