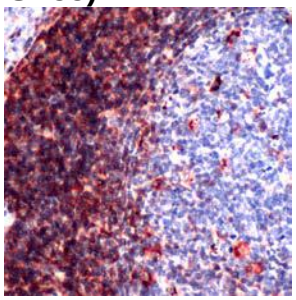
Rabbit Anti-Human CD43 Monoclonal Antibody (Clone SP55)

CATALOG #:

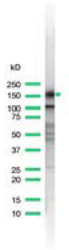
M3550 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3554 1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3551 7 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.*(For IHC only)*



Human tonsil stained with anti-CD43 antibody



Western Blot analysis of Jurkat cell lysate with CD43 antibody

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

CLONE: SP55

IMMUNOGEN: A synthetic peptide derived from the human CD43

IG ISOTYPE: Rabbit IgG

EPITOPE: Internal region

MOLECULAR WEIGHT 95/115/135kDa (dependent upon the extent of glycosylation)

SPECIES REACTIVITY: Human (tested). Others not tested.

DESCRIPTION:

CD43 is one of the major glycoproteins of thymocytes and T lymphocytes. It plays a role in the physicochemical properties of the T cell surface and in lectin binding. CD43 presents carbohydrate ligands to selectins. It has an extended rod-like structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. The antigen is a counter receptor for SN/Siglec1. During T cell activation CD43 is actively removed from the T cell antigen presenting cell contact site suggesting a negative regulatory role in adaptive immune response.

APPLICATIONS: Immunohistochemistry (IHC) and Western Blotting

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.
Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.
Antibody Dilutions: 1:200
Antigen Retrieval: Boil tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Primary Antibody: Incubate for 30 minutes at RT.
Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.
Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

WESTERN BLOTTING:

Recommended starting protocol: Dilute the antibody 1:25. Incubate for 1 hour at room temperature.
The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

POSITIVE CONTROL: Tonsil

CELLULAR LOCALIZATION: Membrane

STORAGE & STABILITY

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

WARNINGS & PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal

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