

Product datasheet

Anti-CD57 antibody [NK-1] ab25629

2 References

Overview

Product name	Anti-CD57 antibody [NK-1]
Description	Mouse monoclonal [NK-1] to CD57
Host species	Mouse
Tested applications	Suitable for: IHC-Fr, IP, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 8.00 Constituent: 100% Borate buffered saline
Purity	Purified IgM
Clonality	Monoclonal
Clone number	NK-1
Isotype	IgM

Applications

Our [Abpromise guarantee](#) covers the use of **ab25629** 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
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

Application	Abreviews	Notes
Flow Cyt		Use 1µg for 10 ⁶ cells. ab91545 - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.

Target

Function	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group.
Tissue specificity	Mainly expressed in the brain.
Pathway	Protein modification; protein glycosylation.
Sequence similarities	Belongs to the glycosyltransferase 43 family.
Cellular localization	Golgi apparatus membrane.

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