

HER2/neu [IHC042]

Concentrated and Prediluted Monoclonal Antibody
903-3274-060122

BIOCARE
M E D I C A L

Available Product Formats				
Format	Catalog Number	Description	Dilution	Diluent
Concentrate	ACA 3274 A, B	0.1, 0.5 mL	1:100	Renoir Red
Predilute	APA 3274 AA	6.0 mL	Ready-to-use	N/A
ONCORE Pro	OPAA 3274 T60	60 tests	Ready-to-use	N/A
UltraLine	AVA 3274 G	6.0 mL	Ready-to-use	N/A
Q Series	ALA 3274 G7	7.0 mL	Ready-to-use	N/A

Intended Use:

Analyte Specific Reagent. Analytical and performance characteristics are not established.

Summary & Explanation:

HER-2/Neu (also known as ERBB2 or HER2) is a member of the human epidermal growth factor receptor, family of tyrosine kinases, involved in critical signaling pathways that control cell proliferation and survival.¹ HER2/Neu protein overexpression is associated with breast, ovary, endometrium, cervix as well as lung, esophageal, gastric, and bladder cancers.² HER-2/Neu is an important target for anticancer treatment strategies.²

Source: Mouse monoclonal

Clone: IHC042

Isotype: IgG2a

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

Buffer with protein carrier and preservative

Storage and Stability:

Store at 2°C to 8°C. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

References:

1. Eswarachary V, Mohammed IG, Jayanna PK, et al. HER2/neu Testing In 432 Consecutive Breast Cancer Cases using FISH and IHC - A Comparative Study. J Clin Diagn Res. 2017;11(4):EC01-EC05.
2. Albagoush SA, Limaïem F. HER2. 2020 Nov 3. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. PMID: 30725819.
3. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts."
4. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.



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